2023 Update of the Maple Grove Gravel Mining Area Alternative Urban Areawide Review (AUAR)

Prepared for the City of Maple Grove, MN

Stantec Consulting Services, Inc.

MARCH 13, 2023

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Introduction

This Environmental Assessment Worksheet (EAW) form is being used to record the Alternative Urban Areawide Review (AUAR) Update for the City of Maple Grove's Gravel Mining Area. An AUAR is an alternative to an Environmental Impact Statement (EIS) that responds to the questions on the EAW form to the level of analysis similar to an EIS. This EAW form and AUAR Guidelines are available at the Environmental Quality Board's website at:

http://www.eqb.state.mn.us/EnvRevGuidanceDocuments.htm.

Minnesota Rules Chapter 4410.3610, subp. 4 states that "the content and format [of an AUAR document] must be similar to that of an EAW, but must provide for a level of analysis comparable to that of an EIS for impacts typical of urban residential, commercial warehousing, and light industrial development and associated infrastructure." The EAW and AUAR Guidelines provide additional details and resources for completing the EAW form for an AUAR and conducting the AUAR review process. The following document follows the format of the July 2013 Environmental Assessment Worksheet Form.

Background

The Maple Grove Gravel Mining Area (GMA) consists of almost 2,000 acres of active gravel mines and mixed-use development less than fifteen miles from downtown Minneapolis at the northwest corner of the Twin Cities Metropolitan Area. The GMA is located in the City of Maple Grove (City) and its southern boundary lies along interstate 94 (I-94) between State Trunk Highway (TH) 169 on the east, and the Interstate 494 (I-494) /I-94 interchange on the west.

In the early 1990s, it became apparent to the City that considerable land within the GMA would become available for development over approximately the next thirty years. To address this possibility, the City convened a Gravel Mining Area Task Force (GMA Task Force) to advise the City on future GMA development and began coordination activities with various metropolitan and regional agencies.

By the mid-1990s, planning and coordination of activities had proceeded sufficiently that the City decided to prepare an AUAR to address the potentially significant environmental impacts which could arise from the GMA development. This referenced review, prepared and adopted in 1996, was called the Maple Grove Mining Area Alternative Urban Areawide Review (GMA)

AUAR). In 2005, the City adopted the Update of the Maple Grove Gravel Mining Area Alternative Urban Areawide Review and Mitigation Plan (2005 Update).

The Environmental Review Rules (Rules) of the Minnesota Environmental Quality Board (EQB) state that, when five years have passed since the adoption of an AUAR, it must be updated to remain valid. The City completed subsequent updates to the AUAR and mitigation plan in 2010 and 2017.

More than five years have passed since the adoption of the 2017 Update; therefore, the City has prepared this 2023 Update of the Maple Grove Mining Area Urban Areawide Review and Mitigation Plan (2023 Update) to update the analyses and the plan for mitigation in the GMA AUAR and to maintain the validity of the 2017 Update. Additionally, the City completed an update to its Comprehensive Plan and guidance for the Gravel Mining Area, which is included as a scenario in this AUAR update.

1. Project Title

2023 Update of the Maple Grove Gravel Mining Area Alternative Urban Areawide Review and Mitigation Plan

2. Proposer

Proposer City of Maple Grove
Contact Peter Vickerman
Title Planning Manager
Address P.O. Box 1180

12800 Arbor Lakes Parkway Maple Grove, MN 55311

Phone 763.494.6046

Email PVickerman@maplegrovemn.gov

3. RGU

Proposer City of Maple Grove
Contact Peter Vickerman
Title Planning Manager
Address P.O. Box 1180

12800 Arbor Lakes Parkway Maple Grove, MN 55311

Phone 763.494.6046

Email PVickerman@maplegrovemn.gov

4. Reason for AUAR Preparation

Five years have passed since the City adopted the 2017 Update. For the GMA AUAR to

remain valid, an update is now required pursuant to Minn. Rules 4410.3610, subp. 7.A. The City also adopted the mandatory 2040 Comprehensive Plan update and Gravel Mining Area Special Area Plan in March 2020, and therefore is required to update the AUAR.

5. Project Location

County: Hennepin County
City: Maple Grove, MN

PLS Location (1/4, 1/4, Section, Township, Range): All or a portion of Sections 13, 14, 22, 23, 24, 25,

26, and 27; Township 119 North, Range 22 West

Watershed (81 major watershed scale): Mississippi River – Twin Cities Watershed

GPS Coordinates: Approximately 45.098487, -93.421909

Attach each of the following maps to the EAW: county map, USGS map, and a site plan. AUAR Guidelines: The county map is not needed for an AUAR. The USGS map should be included. Instead of a site plan, include: (1) a map clearly depicting the boundaries of the AUAR and any subdistricts used in the AUAR analysis; (2) land use and planning maps as required in conjunction with items 9 and 27; and (3) a cover type map as required for item 10. Additional maps may be included throughout the document wherever maps are useful for displaying relevant information.

6. Project Description

- a. Provide a project summary of 50 words or less to be published in the EQB Monitor. The City of Maple Grove is updating the Maple Grove Gravel Mining Area Alternative Urban Areawide Review a fifth time, originally approved in 1996. The 2023 Update summarizes development activity in the Gravel Mining Area since 2017 and includes the assumptions in the adopted 2040 Comprehensive Plan Update.
- b. Give a complete description of the proposed project and related new construction, including infrastructure needs. If the project is an expansion include a description of the existing facility. Emphasize: 1) construction, operation methods and features that will cause physical manipulation of the environment or will produce wastes, 2) modifications to existing equipment or industrial processes, 3) significant demolition, removal or remodeling of existing structures, and 4) timing and duration of construction activities.

The approximately 1,907-acre planned development site that is the subject of this 2023 Update is located in the City of Maple Grove. The southern boundary lies along interstate 94 (I-94) between State Trunk Highway (TH) 169 on the east, and the Interstate 494 (I-494) /I-94 interchange on the west. The 2023 Update is being prepared for all 1,907 acres comprising the development site (AUAR area). The AUAR area currently consists of active gravel mines and mixed-use development.

The Proposer (City) desires to continue to redevelop the AUAR area into a mix of commercial, office, industrial, residential, and public uses; and associated ponding and arterial rights-of-way.

Previous AUAR updates stated that projecting the pace of development in the GMA depends on how fast land is mined for aggregate and when developers want to construct projects. As to mining, how much and what land becomes available depends on both the market for aggregates and sequencing of mining. The market for aggregate is tied to the general economy as is presently very evident. The sequence of gravel mining responds to the natural randomness in location of varying raw aggregate products. In short, predicting what land will become available for development, and when, is difficult.

As to development within the GMA, the market for differing types of development is driven by the national economy and the local real estate market. Neither is susceptible to precise analysis. However, as required by the Metropolitan Council, the City completed its 2040 Comprehensive Plan Update in March 2020, which included a staging plan for the Gravel Mining Area through 2040. The staging plan was subsequently approved by the Metropolitan Council.

c. Project Magnitude

Total AUAR Acreage: 1,907 acres

No changes have been made to the project magnitude since the 2017 Update. Table 6-1 summarizes the development magnitude data for the 2023 Update Alternative. The City included this Alternative in its 2040 Comprehensive Plan Update (CPU).

The intention of this AUAR is to examine the maximum build out of the study area. By analyzing the requirements of a maximum build out scenario, the City may ensure that any development within and up to the maximum build (e.g., a 'middle' scenario) has been accounted for in this study. Due to this, no lessor build scenarios were examined, as they are encompassed in the maximum build out scenario. The development scenario included in the 2040 Comprehensive Plan Update complies with the requirement that one of the Alternatives studied in the AUAR is consistent with the Comprehensive Plan.

2023 Maximum Development. The 2023 Maximum Development Scenario assumes that all land in the GMA will develop to its maximum allowed intensity. The acreage figures for the 2023 Maximum Development Scenario represent how the current GMA acreage is guided by the City. See Table 6-1 for guided acreages. The nomenclature of the land uses has changed over the years, so the 2023 Maximum Buildout is a combination of several future land use categories. The development intensity for the 2023 Maximum Development Scenario, shown in Figure 6-1, represent the maximum development that could occur in the GMA based on the City's future land use map.

Table 6-1: Development Scenario

Land Uses	2017 No Further Build (acres)	2017 Maximum Development (acres)	2023 Maximum Development (acres)
Commercial	217.86	299.25	329
Office	21.0	228.92	208
Industrial	219.78	395.74	567
Residential	316.84	479.24	508
Public	65.34	108.5	49

Ponding	122.31	243.85	246
Arterial Right-of-	139.26	151.2	N/A**
way			
Gravel Mining	804.74	0.0	0
Total	1907*	1907*	1907*

^{*}Rounded to nearest acre

d. Explain the project purpose; if the project will be carried out by a governmental unit, explain the need for the project and identify its beneficiaries.

The Maple Grove GMA consists of almost 2,000 acres of active gravel mines and related activities less than fifteen miles from downtown Minneapolis, with superb visibility and access to the regional highway system, at the northwestern corner of the Twin Cities Metropolitan Area. The current mining activities are fully permitted, and as such the GMA does not face the same kind of environmental review concerns that other parcels of raw undeveloped land often face. As a huge expanse of largely unoccupied land within the Metropolitan Urban Service Area in a rapidly growing suburban setting, it represents a unique opportunity for the region to develop a different sort of built suburban environment while meeting the area's needs for additional housing, good and services, employment, and recreation.

With many years of useful gravel resources still to be extracted from portions of the area, the City continues to master plan the area when the mining ceases. The vision for the area is to continue to create a distinctive environment that blends the desirable elements of typical suburban life with the character and pedestrian scale of more traditional neighborhoods. Additionally, the City continues to promote high density housing opportunities, as well as affordable and accessible housing for citizens in all stages of the life cycle.

The project continues to serve as a major development opportunity for the City of Maple Grove. The site is currently home to the GMA and is underutilized. The development will continue to increase housing options and availability and provide recreation opportunities, hospitality, and commercial services to the area. The City and the region will be positively impacted by the increased revenue and property taxes generated by development on the site, as well as enhancements to services, jobs, and recreational opportunities in the region.

e. Are future stages of this development including development on any other property planned or likely to happen? X Yes
No
If yes, briefly describe future stages, relationship to present project, timeline, and plans for environmental review.

The site is currently planned to be developed continuously over the next seventeen years in response to market demand (as per 2040 Comprehensive Plan).

^{**}Arterial ROW included with other uses

Figure 6-1 depicts the future land use from the 2040 Comprehensive Plan, which represents the site at full build-out.

f. Is this project a subsequent stage of an earlier project? $x Yes \square No$

Development since the adoption of the 2017 Update is discussed in Question 7 and can be seen in Table 7-1 below. Figure 7-1 depicts the major development and changes in land cover type since the 2017 Update.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

7. Cover Types

The original AUAR did not provide an overlay given the limited cover types in the GMA, including wetland and current development that largely involved gravel mining activities. In the 2017 Update, a table and coverage type map were used from the 2010 Update, which illustrated the urban commercial, urban office, industrial, urban residential, public facilities, parks, groundwater ponding, stormwater ponding, wetland, and arterial street rights-of-way. An updated version of that table is included later in this question.

Development has occurred within the AUAR area since the 2017 Update. The changes in cover type from the 2017 Update can be seen in Table 7-1 and in Figure 7-1.

Table -1: Changes in Cover Type since 2017 Update

Name	Developmental Change (in acres)	Previous Cover Type
Applewood Pointe (HDR)	5.582	
Mills Creek (L-MDR)	15	
Arbor Lakes Commerce Center (I)	13	Onon
Arbor Lakes Business Park (RMU – non retail)	51.182	Open land/reclaimed
Schuler Shoes (RMU – E Elm Creek Blvd)	6.079	gravel mine
Foss Swim School (RMU)	2.092	
Donegal South (MDR)	13.512	
Total developmental changes:	106.447 acres	106.447 acres

This developed land can be further divided by land use types including urban commercial, urban office, urban industrial, and urban residential. Although all developed land, the distinction between these categories is important. Industrial, commercial, and office developments often have a higher percentage of lot coverage than residential uses. This can have impacts on habitat, stormwater management, urban heat island effects, and visual screening. These impacts are discussed further in each question of the AUAR. Table 7-2 has been updated from the 2017 Update to reflect these different developed land uses.

Table 7-2: Summary of Cover Types in Acres – Changes since 2017

Land Cover Type	Acres
Urban Commercial	227.33 (+ 8.171)
Urban Office	21 (no change)
Urban Industrial	283.96 (+ 64.182)
Urban Residential	324.17 (+ 34.094)
Public Facility	16.90 (no change)
Park	48.44 (no change)
Stormwater Ponds	62.19 (no change)
Groundwater Ponds	60.12 (no change)
Arterial Road	139.26 (no change)
Gravel Mining	724.01 (- 106.447)
TOTAL	1,907 (rounded to nearest
	whole acre)

8. Permits and Approvals Required

List all known local, state and federal permits, approvals, certifications and financial assistance for the project. Include modifications of any existing permits, governmental review of plans and all direct and indirect forms of public financial assistance including bond guarantees, Tax Increment Financing and infrastructure. All of these final decisions are prohibited until all appropriate environmental review has been completed. See Minnesota Rules, Chapter 4410.3100.

Table 8-1 lists all permits that are anticipated to be required or may be required depending on the specific project type, for development in the AUAR area.

Table 8-1: Anticipated Approvals and Permits Required

Unit of Government	Type of Approval or Permit	Status Update
	Comprehensive Plan Updates and/or Amendments	Applicable to future development.
	Site Plan Review	
	Subdivision Approval	
	Grading Permit	
City of Maple Grove	Sewer Connection Permit	
	Water Connection Permit	
	Building Permits	
	MN Local/State/Federal Application for	
	Water/Wetland Projects and the Wetland	
	Replacement Plan Supplement	
Shingle Creek Watershed District Project Review Approval		
	County Roadway Improvements (minor arterials)	
Hennepin County	County Roadway Access permits	
	Sanitary Sewer Plan Approval	
	Small Generator Hazardous Waste Permits	
	Improvements to I-94, I-694, and TH 169	

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	Application for Access Driveway
	Application for Drainage Permit
Minnesota Department	Application of Utility Permit on Trunk
of Transportation	Highway
	Right-of-way permit for work within or
	affecting MnDOT right-of-way
	Water Main Plan Review
Minnesota Department	Notification or Permit for Well
of Health	Construction or Alteration
	Notification or Permit for Well Sealing
	Public Waters Work Permit
	Water appropriation permit and pre-
Minnesota Department	construction permit (for new municipal
of Natural Resources	well, if well needed)
	Temporary Water Appropriation Permit for
	construction dewatering
	Air Emission Facility Permit
Minnesota Pollution	401 Water Quality Certification
	NPDES MS4 Stormwater Discharge Permit
Control Agency	NPDES Stormwater Permit
	Sanitary Sewer Extension Permit
	Minor Comprehensive Plan Amendment
	Approval
Metropolitan Council	Wastewater System Nonobjection Permit
	MCES Encroachment Permit
	Industrial Permit (wastewater)
U.S. Army Corps of	Wetland Letter of Permission or Permit (33
Engineers	CFR 325)
U.S. Fish and Wildlife	Section 7 ESA Consultation
Service	

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

9. Land Use

a. Describe:

i. Existing land use of the site as well as areas adjacent to and near the site, including parks, trails, prime or unique farmlands.

Existing Land Use in the AUAR area has changed only slightly since the 2017 update. Roughly 100 acres of housing, industrial, commercial, and office development has been constructed in the last 5 years. These developments have occurred on land guided for these uses. Development that has occurred since the 2017 Update can be seen on Figure 7-1 and is described in Table 7-1.

There are several parks and trails within the AUAR area, none of which have been developed since 2017. There are no prime or unique farmlands within the AUAR area as the prior use was as a gravel mining area.

ii. Plans. Describe planned land use as identified in comprehensive plan (if available) and any other applicable plan for land use, water, or resources management by a local, regional, state, or federal agency.

The City adopted its 2040 Comprehensive Plan Update in March 2020, which provides updated future land use guidance for the GMA AUAR Area. Additionally, the City adopted the Gravel Mining Area Special Area Plan as a supplement to the Comprehensive Plan. The Future Land Use map for the GMA Area is serving as the maximum build-out scenario for this AUAR update and is shown in Figure 6-2.

Most of the undeveloped land within the Gravel Mining Area is within the eastern half of the AUAR area. The Comprehensive Plan provides separate guidance for the southern part of this area between I-94 and Elm Creek Boulevard and the area north of Elm Creek Boulevard. The guidance for each of these areas is summarized below. Figure 9-1 is from the City's Comprehensive Plan and shows the specific guidance for these areas.

Gravel Mining Area South

- Primary growth area will be south of Elm Creek Boulevard.
- Area along I-94 shall serve as a location for high quality, large format office and mixed-use buildings. The City of Maple Grove expects the tallest and highest quality buildings in the city to eventually be located in this area.
- Business park and offices are primary uses along Elm Creek Boulevard.
- Potential to incorporate highway commercial uses near US 169 and Elm Creek Boulevard Interchange.
- 169 & Elm Creek Blvd Interchange rebuild will be major infrastructure project.
- Small sites on western side adjacent to storm pond will need special consideration for appropriate uses.
- MnDOT site on the north side of Elm Creek Blvd could potentially accommodate some housing as the site is adjacent to future housing to the north.

Gravel Mining Area North

- Current uses as active gravel mine and auto auction are anticipated to continue for a number of years.
- Active redevelopment of gravel mining sites is likely many years, if not decades, in the future and additional planning work can commence when the timeframe to redevelopment becomes clearer.
- Mixed residential (detached, attached, and potentially multi-family) surround a neighborhood park on the west side.
- Mixed industrial/business park is on the east side.
- Well landscaped parkway would be used to buffer the uses.
- Industrial users would face parkway with loading docks and other similar features located away from the parkway.
- Continued active mining operations, including concrete recycling, wash plan operations, asphalt and concrete plants, and landscape material

operations will need to be reviewed with regard to long term land use and road alignments

Additionally, the City updated its Sanitary Sewer Plan, Local Surface Water Management Plan, and Local Water Supply Plan at the same time as the 2040 Comprehensive Plan Update. These plans are discussed as needed in question 11, Water Resources.

iii. Zoning, including special districts or overlays such as shoreland, floodplain, wild and scenic rivers, critical area, agricultural preserves, etc.

No part of the AUAR area involves a shoreland zoning district, floodplain, wild and scenic river(s), critical areas, or agricultural preserves.

Parcels in the AUAR area are zoned for agriculture, residential use, planned unit development, business, industrial, and freeway frontages. See Figure 9-2 for the current GMA zoning map.

b. Discuss the project's compatibility with nearby land uses, zoning, and plans listed in Item 9a above, concentrating on implications for environmental effects.

Land Use and Zoning have been updated with the 2040 Comprehensive Plan, although the general guidance for the area to support a wide and complementary mixture of commercial, office, industrial, residential and public uses has remained since the 1990s. 'Arbor Lakes' represents the principal development today in the GMA. Through careful planning, portions of the area have evolved nearly exclusively from the gravel mining activities to an urban form. Properties adjoining the boundaries of the AUAR area are nearly all developed or are planned to be improved with commercial and industrial uses. The transition from these uses to the GMA existing uses is nearly seamless except for the 'stepping up' of architectural form and treatments, and transitions are expected to be the same for areas not yet developed. A porous transportation system, including pedestrian and vehicular movements, continues between the GMA and areas beyond. There are no potential conflicts involving environmental matters.

c. Identify measures incorporated into the proposed project to mitigate any potential incompatibility as discussed in Item 9b above.

There are no incompatibilities with land uses, zoning, and plans; the City is developing as per the 2040 Comprehensive Plan.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

10. Geologic Hazards and Soil Conditions

A review of the Hennepin County Geologic Atlas and well records from the Minnesota Well Index indicates apparent geologic hazards are expected to be encountered in the AUAR area. Depth to bedrock across the AUAR area averages 150 feet, with minimum depth to bedrock being 120 feet. The upper bedrock units across the AUAR area are either St. Peter Sandstone, Jordan Sandstone, St. Lawrence Shale, or Tunnel City Sandstone. The lack of carbonate bedrock reduces the risk of sinkhole formation or karst features. Based on a review of the Minnesota Department of Natural Resources (DNR) karst feature inventory database¹, no karst features are present within the AUAR area.

The sensitivity of groundwater aquifers to contamination is relatively high across the AUAR area, due to geologic deposits and soils that allow for rapid infiltration of water. The AUAR area falls within the wellhead protection Drinking Water Supply Management Area (DWSMA) for the City of Maple Grove, along with a portion of the DWSMA for the City of Brooklyn Park. The Wellhead Protection Plan for Maple Grove includes management strategies to reduce the risk of spills within this area and to address potential sources of contamination. Best management practices identified within the Wellhead Protection Plan should be utilized to prevent contamination of the soils and groundwater within the AUAR area.

As highly permeable geologic deposits are mined from the AUAR area, they are typically replaced with lower-permeability soils, thus adding greater protection to the underlying aquifers than was likely present before and during the mining activities. However, the AUAR area should still be treated as highly sensitive to contamination and spills, as highly permeable soils and shallow groundwater still exist within the AUAR area.

QUESTION 10 MITIGATION STRATEGIES UPDATE

No substantial changes to the mitigation measures are necessary since the 2017 Update. The City of Maple Grove's Wellhead Protection Plan amendment was most recently adopted in 2022, which determined that no significant changes were documented in the 2022 amendment compared to the 2012 Wellhead Protection Plan. Mitigation measures to avoid contaminating the aquifers should concentrate on spill prevention. This includes secondary containment for all storage tanks, along with leak detection devices. Stormwater infiltration should also be avoided in areas where stormwater may potentially pick up contaminants and rapidly infiltrate to groundwater aquifers.

11. Water Resources

a. Describe surface water and groundwater features on or near the site in a.i. and

¹ DNR. Karst Feature Inventory. Accessed January 2022. https://arcgis.dnr.state.mn.us/portal/apps/webappviewer/index.html?id=9df792d8f86546f2aafc98b3e31adb 62

a.ii. below.

i. Surface water - lakes, streams, wetlands, intermittent channels, and county/judicial ditches. Include any special designations such as public waters, trout stream/lake, wildlife lakes, migratory waterfowl feeding/resting lake, and outstanding resource value water. Include water quality impairments or special designations listed on the current MPCA 303d Impaired Waters List that are within 1 mile of the project. Include DNR Public Waters Inventory number(s), if any.

Currently, the surface waters of the site include one official wetland within the AUAR area, five wetlands within one mile, and ten stormwater ponds. Six impaired waters are within one mile of the AUAR area and are described in Table 11-1.

Table 11-1 Impaired Waters within One Mile of the AUAR area

Impaired Water	AUID*	Distance to Project Boundary	Impairment
Rice Lake/Elm Creek	27-0116- 01/07010206- 508	0.70 mile west	Aquatic Macroinvertibrate Bioassessments; Chloride; Dissolved Oxygen; Nutrient/Eutrophication Biological Indicators; Fish Bioassessments; E. coli
Fish Lake	27-0118-00	0.70 mile southwest	Mercury in Fish Tissue; Nutrient/Eutrophication Biological Indicators
Cedar Island Lake	27-0119-00	0.30 mile south	Nutrient/Eutrophication Biological Indicators
Eagle Lake	27-0111-01	0.23 mile south	Mercury in Fish Tissue; Nutrient/Eutrophication Biological Indicators
Shingle Creek (County Ditch 13)	07010206-506	0.77 mile east	Aquatic Macroinvertebrate Bioassessments; Chloride; Dissolved Oxygen; E. coli
Magda Lake	27-0065-00	0.89 mile southeast	Nutrients
Bass Creek	07010206-784	0.68 mile southeast	Benthic Macroinvertebrates bioassessments; Cloride; Fish Bioassessments

Source: MPCA 2022 Impaired Waters list

Rice Lake and Elm Creek are located west of several main arterial roads and will not receive stormwater runoff from the AUAR area. Fish Lake, Cedar Island Lake, Eagle Lake, and Magda Lake are separated from the AUAR area by Highways 94 and 169 and will not receive stormwater runoff from the AUAR area. Stormwater as a result of gravel mining activities will be retained on-site. With development, stormwater is to be directed

^{*}Denotes Assessment Unit Identification (AUID)

to Shingle Creek within rates specified in the Stormwater Management Plan (1995). Shingle Creek connects to Bass Creek south of I-694.

Development in the GMA is not projected to affect any natural surface water features (e.g., wetlands). Any disruptions are permitted under the gravel mining use.

ii. Groundwater – aquifers, springs, seeps. Include: 1) depth to groundwater; 2) if project is within a MDH wellhead protection area; 3) identification of any onsite and/or nearby wells, including unique numbers and well logs if available. If there are no wells known on site or nearby, explain the methodology used to determine this.

No aquifers, springs or seeps were identified within the AUAR area.

- Depth to groundwater: Depth to groundwater within the AUAR area ranges from 0
 feet to 20 feet. Shallow water table aquifers may be present if perched on low
 permeability sediments.
- 2) MDH wellhead protection area: The AUAR area falls within the Maple Grove wellhead protection area and portions of the Brooklyn Park Central wellhead protection area.
- 3) The following wells were identified on the property: All groundwater wells were identified in the 2017 Update. No new wells have been drilled since the 2017 Update.
- b. Describe effects from project activities on water resources and measures to minimize or mitigate the effects in Item b.i. through Item b.iv. below.
 - Wastewater For each of the following, describe the sources, quantities and composition of all sanitary, municipal/domestic and industrial wastewater produced or treated at the site.

The 2010 Update response projected ultimate wastewater flow from the AUAR area of 6.4 MGD. The 2017 Update determined that there was no substantial change in projected wastewater flow since the 2010 Update. As described in Item 9 (Land Use), existing land use has only changed slightly since the 2017 Update, consisting of approximately 100 acres of housing, industrial, commercial, and office development in the past five years.

 If the wastewater discharge is to a publicly owned treatment facility, identify any pretreatment measures and the ability of the facility to handle the added water andwaste loadings, including any effects on, or required expansion of, municipal wastewater infrastructure.

There is no change from the 2017 Update.

2) If the wastewater discharge is to a subsurface sewage treatment systems (SSTS), describe the system used, the design flow, and suitability of site conditions for such a system.

There is no change from the 2017 Update.

3) If the wastewater discharge is to surface water, identify the wastewater treatment methods and identify discharge points and proposed effluent limitations to mitigate impacts. Discuss any effects to surface or groundwater from wastewater discharges.

There is no change from the 2017 Update.

MITIGATION STRATEGIES

The City of Maple Grove completed an update to the Comprehensive Sewer Plan (CSP) in November 2019 which considered future development within the AUAR area. As identified in the CSP, additional trunk lines are planned to be constructed in the northwest portion of the city to service undeveloped portions of the GMA. Sewer modeling completed as part of the CSP determined that development in the GMA would necessitate an additional trunk line at the I-94 crossing. The GMA adjacent to 77th Avenue (Elm Creek Boulevard) is planned to be served by a connection to the Brooklyn Park interceptor through a Metropolitan Council metering station (M228). This connection will require constructing a new sewer pipe under I-94, parallel to the existing 15-inch sewer. The remaining undeveloped areas of the GMA are anticipated to be served from the north and tie into the City's 85th Avenue connection to the Metropolitan Council interceptor system. Timing of the proposed trunk sewer will be driven by development in the GMA.

ii. Stormwater - Describe the quantity and quality of stormwater runoff at the site prior to and post construction. Include the routes and receiving water bodies for runoff from the site (major downstream water bodies as well as the immediate receiving waters). Discuss any environmental effects from stormwater discharges. Describe stormwater pollution prevention plans including temporary and permanent runoff controls and potential BMP site locations to manage or treat stormwater runoff. Identify specific erosion control, sedimentation control or stabilization measures to address soil limitations during and after project construction.

There is no change from the 2017 Update. The stormwater system has been partially built out in accordance with the 2017 Update. Future expansion of the system is proposed to be consistent with the 2017 Update.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

iii. Water appropriation - Describe if the project proposes to appropriate surface or groundwater (including dewatering). Describe the source, quantity, duration, use and purpose of the water use and if a DNR water appropriation permit is required. Describe any well abandonment. If connecting to an existing municipal water supply, identify the wells to be used as a water source and any effects on, or required expansion of, municipal water infrastructure. Discuss environmental effects from water appropriation, including an assessment of the water resources available for appropriation. Identify any measures to avoid, minimize, or mitigate environmental effects from the water appropriation.

There are no changes for the 2017 Update. The City prepared an update to the Water Supply Plan (WSP) in October 2017. The WSP update determined that the population served grew at a slower rate than projected over the previous ten years and average daily demand has remained relatively flat. Planned municipal water wells would be installed within the City's existing wellfield in the drift aquifer. The WSP identifies three future well installations that would occur between 2020 and 2040 with a proposed pumping capacity of 2,500 gallons per minute (gpm). No other alternative water sources are anticipated to be required within the next ten years. Appropriations for the AUAR area have been determined to represent a relatively small part of the City's total water supply demand. No cases of well interference, and no impacts to surface resources have been observed. All development in the AUAR area to date is connected to public water supply.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

iv. Surface Waters

a. Wetlands - Describe any anticipated physical effects or alterations to wetland features such as draining, filling, permanent inundation, dredging and vegetative removal. Discuss direct and indirect environmental effects from physical modification of wetlands, including the anticipated effects that any proposed wetland alterations may have to the host watershed. Identify measures to avoid (e.g., available alternatives that were considered), minimize, or mitigate environmental effects to wetlands. Discuss whether any required compensatory wetland mitigation for unavoidable wetland impacts will occur in the same minor or major watershed, and identify those probable locations.

According to the National Wetland Inventory, (NWI) there are multiple aquatic resources primarily consisting of constructed stormwater ponds within the AUAR area. Eight NWI features within the AUAR area includes potential wetlands. No impacts are proposed to these naturally occurring wetlands; however, should impacts become required as a result of mining activities, the impacts would be covered under the gravel mining use.

It is anticipated that future development would be able to avoid impacting wetlands under the jurisdiction of the United States Army Corps of Engineers (USACE) and Wetland Conservation Act (WCA). If impacts cannot be avoided, both the USACE and WCA require that they be minimized to the greatest practicable extent and that alternatives be evaluated. In the event that impacts to wetland cannot be entirely avoided, a wetland replacement and mitigation plan would be required.

b. Other surface waters- Describe any anticipated physical effects or alterations to surface water features (lakes, streams, ponds, intermittent channels, county/judicial ditches) such as draining, filling, permanent inundation, dredging, diking, stream diversion, impoundment, aquatic plant removal and riparian alteration. Discuss direct and indirect environmental effects from physical modification of water features. Identify measures to avoid, minimize, or mitigate environmental effects to surface water features, including inwater Best Management Practices that are proposed to avoid or minimize turbidity/sedimentation while physically altering the water features. Discuss how the

project will change the number or type of watercraft on any water body, including current and projected watercraft usage.

Surface waters within the AUAR area consist of groundwater ponds or stormwater ponds. There are no proposed impacts to other surface waters as part of the proposed development scenarios.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

12. Contamination/Hazardous Materials/Wastes:

a. Pre-project site conditions - Describe existing contamination or potential environmental hazards on or in close proximity to the project site such as soil or ground water contamination, abandoned dumps, closed landfills, existing or abandoned storage tanks, and hazardous liquid or gas pipelines. Discuss any potential environmental effects from pre-project site conditions that would be caused or exacerbated by project construction and operation. Identify measures to avoid, minimize or mitigate adverse effects from existing contamination or potential environmental hazards. Include development of a Contingency Plan or Response Action Plan.

The MPCA's What's in My Neighborhood database was queried for a list of existing contamination or potential environmental hazards on or in close proximity to the AUAR area. The search results can be found in Figure 12-1 (MPCA WIMN Potentially Contaminated Sites). The potential to encounter contamination/potential environmental hazards, namely tank sites, has changed since the 2017 Update. Tank sites are detailed further in section 12c.

Mitigation strategies are discussed separately, at the end of question 12.

b. Project related generation/storage of solid wastes - Describe solid wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from solid waste handling, storage and disposal. Identify measures to avoid, minimize or mitigate adverse effects from the generation/storage of solid waste including source reduction and recycling.

Under Update Alternative 2: GMA Maximum Development, there has been no change.

The 2017 Update estimated that each household will generate between 0.7 and 1.1 tons of trash per year. Commercially zoned areas were expected to generate 0.59 tons/employee/year and industrial zones to generate 1.49 tons/employee/year. It is projected that 50% of all solid waste in Hennepin County will come from residential households and that 50% from commercial and industrial zones. Forty-six percent of all solid waste is assumed to be recycled or composted. No changes in estimated solid waste from the 2017 Update are anticipated.

Recycling for commercial buildings, including businesses and restaurants in the AUAR area will be conducted in accordance with the 2016 Recycling Law (Minnesota

Statutes Chapter 115A, Section 115A.151). Recycling for multi-unit dwellings will have a recycling service in accordance with Minnesota Statutes Chapter 115A, Section 115A.552.

c. Project related use/storage of hazardous materials - Describe chemicals/hazardous materials used/stored during construction and/or operation of the project including method of storage.

No changes from the 2017 Update. Not applicable to an AUAR per EQB AUAR Guidance as no industrial uses are proposed.

Indicate the number, location and size of any above or below ground tanks to store petroleum or other materials. Discuss potential environmental effects from accidental spill or release of hazardous materials. Identify measures to avoid, minimize or mitigate adverse effects from the use/storage of chemicals/hazardous materials including source reduction and recycling. Include development of a spill prevention plan.

A search of the MPCA's What's in My Neighborhood (WIMN) database revealed the following tanks sites in the AUAR area in 2017:

- UPS 8601 Valley Forge Lane: Active petroleum aboveground storage tanks (AST) and UST site TS0121776
- Hilger Transfer 8550 Zachary Lane: Active petroleum AST and UST site TS0054940
- Great Lakes Engineering 8984 Zachary: Active petroleum AST site TS0119648
- CS McCrossan Construction 7865 Jefferson Hwy: Active ASTs sites TS0051787 and TS0052812
- Manheim Minneapolis Auto Auction 8001 Jefferson Hwy: Active AST site TS0122076
- Ames Construction CR 109: Active AST site TS0051996
- Chemstone Products 11600 CR 109: Active AST and UST site TS0015051
- Anchor Block & Concrete 12175 CR 109: Inactive AST site TS0054635
- Lunds & Byerly's 12880 Elm Creek Blvd: Active AST site TS0121982
- Maple Grove Truck Station #90987 10900 77th Ave N: Active AST and UST site TS0002746
- Apple Valley Ready Mix 10301 CR 109: Active AST site TS0055813

An updated search of the MPCA WIMN database in 2023 revealed the following additional tank sites in the AUAR area (MPCA 2022)²:

² MPCA. 2022. What's In My Neighborhood. Available at: https://www.pca.state.mn.us/about-mpca/whats-in-mv-neighborhood. Accessed January 2023.

- Costco Gasoline Loc No. 648 11330 Fountains Dr. Active UST site TS0124433
- Lowe's of Maple Grove 2627 11201 Fountains Dr: Active AST site TS0124864
- Aggregate Industries Maple Grove RM 11000 77th Ave N: Active AST site TS0122753
- Aggregate Industries Maple Grove 11590 CR 109: Active AST and UST site TS0054569
- Commercial Asphalt Co. Plant No. 904 10000 81st St N: Active AST site TS0051989

Select MPCA WIMN sites that were previously recorded in the AUAR area in 2017 also had additional tanks upon review in 2023:

- CS McCrossan Construction 7865 Jefferson Hwy: Active AST site TS0052813
- Chemstone Products 11600 CR 109: Active AST site TS0051219 and inactive UST site TS0002025
- Apple Valley Ready Mix 10301 CR 109: Active AST site TS0131219

A review of the Minnesota Department of Agriculture (MDA) WIMN database was also conducted as part of the 2023 Update. No records were identified within the AUAR area, but one site is located just west of the AUAR area near Rosewood Court. This site was an unknown lawncare company (Case File No. PLK101000534) that contained fertilizer. An emergency investigation was conducted and closed in 2008. (MDA 2023)³.

Pursuant to the Wellhead Protection Plan, the City requires site plan review, tank inventory, and compliance with State and Federal laws for leak detection, secondary containment, and overfill protection. If soil contamination is discovered through due diligence testing or during the course of development, the developer or other responsible party will be required to appropriately mitigate the contaminants according to the type of development planned and in compliance with MPCA rules.

d. Project related generation/storage of hazardous wastes - Describe hazardous wastes generated/stored during construction and/or operation of the project. Indicate method of disposal. Discuss potential environmental effects from hazardous waste handling, storage, and disposal. Identify measures to avoid, minimize or mitigate adverse effects from the generation/storage of hazardous waste including source reduction and recycling.

Construction wastes will be typical relative to the construction of utilities, roads, and commercial/industrial structures. Construction wastes will be primarily nonhazardous and can be managed as municipal solid waste (MSW) or construction/demolition debris. However, hazardous wastes in the form of used oils/lubricants, waste paints or other materials may be generated during construction. Through the development review

³ MDA. 2023. What's In My Neighborhood. Available at: <u>Welcome to What's In My Neighborhood? - Agricultural Interactive Mapping I Minnesota Department of Agriculture (state.mn.us)</u>. Accessed January 2023.

process, the City will require that all Minnesota Pollution Control Agency (MPCA) and other applicable regulatory requirements be met in the management and disposal of construction-related wastes. Recycling will be strongly encouraged, but this will be the responsibility of the developer and/or the construction contractor.

Hazardous waste is not anticipated to be generated during demolition, except for abatement and removal of regulated materials such as asbestos, refrigeration equipment, lights, and other regulated wastes if they are encountered. A pre-demolition Hazardous Materials Survey of the existing structures will be completed prior to the start of demolition activities. If any regulated materials such as asbestos-containing materials, and other regulated materials/wastes are present, an Abatement Plan will be prepared to address the removal and proper disposal of regulated materials identified in the Hazardous Materials Survey. Following abatement and demolition activities, a comprehensive Abatement Closeout Report should be prepared, which will document the removal, management, and disposal of the regulated materials.

Post-construction waste will be typical of commercial/industrial and residential land uses and would be primarily managed as MSW. Some limited volumes of hazardous wastes may be generated. Through the development review process, the City will require that all MPCA and other regulatory requirements be met.

MITIGATION STRATEGIES

At the time of development, the developer/contractor would be responsible for completing a Phase I Environmental Site Assessment (ESA) if warranted based on the project limits and proposed work. Based on the findings of the Phase I ESA, a Phase II investigation may be warranted. If it is anticipated that contamination may be encountered during construction, a Construction Contingency Plan (CCP) shall be prepared to address proper handling, treatment, storage, and disposal of solid wastes, hazardous materials, petroleum products, and other regulated materials/wastes that are used or generated during construction. The CCP would also establish protocols to minimize impacts to soil and groundwater in the event a release of hazardous substances or petroleum occurs during construction. Steps outlined in the CCP will also be implemented in the event that previously unknown hazardous substances or petroleum products (i.e., releases not identified in presently available reports) are encountered during construction activities.

Demolition and construction wastes shall either be recycled or disposed in the proper facilities. Manage MSW according to MPCA and other regulatory requirements.

In the event demolition is required, complete a pre-demolition Hazardous Building Materials Survey of the existing buildings in accordance with Minnesota Department of Health (MDH) and MPCA requirements prior to the start of demolition activities to determine if any regulated materials are present. A "Notification of Asbestos Related Work" must be submitted to MDH by a licensed asbestos inspector 10 working days prior to conducting abatement activities if thresholds are met. A "Notification of Intent to Perform a Demolition" must be submitted to the MPCA 10 working days prior to the start of demolition. Prepare an

Abatement Plan to address the removal and proper disposal of regulated materials identified in the Hazardous Building Materials Survey.

13. Fish, Plant Communities, and Sensitive Ecological Resources

a. Describe fish and wildlife resources as well as habitats and vegetation on or near the site.

No significant fish or wildlife resources were identified as affected in the 2017 Update because the permitted use was and has been for gravel mining. The majority of the AUAR area is currently developed residential or commercial property, and gravel mine. Limited habitat is available for use by wildlife. A detailed description of the land cover types within the AUAR area is provided in Question 7. The vegetative land cover present within the AUAR area (e.g., parks, open space, natural wetland, lakes, etc.) provides habitat for urban wildlife species, such as mice, rabbits, raccoons, and squirrels, among others.

The open water features within the AUAR area may provide suitable habitat for some aquatic species, including fish, frogs, and toads. However, it is anticipated that the open water supports a limited diversity of aquatic species due to the isolation of these features. The open water located within and near the AUAR area may contain suitable summer habitat and drinking sources for bat species.

b. Describe rare features such as state-listed (endangered, threatened or special concern) species, native plant communities, Minnesota County Biological Survey Sites of Biodiversity Significance, and other sensitive ecological resources on or within close proximity to the site. Provide the license agreement number (LA-760) and/or correspondence number (ERDB) from which the data were obtained and attach the Natural Heritage letter from the DNR. Indicate if any additional habitat or species survey work has been conducted within the site and describe the results.

Federally Listed Threatened and Endangered Species

A review of the United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) database⁴ was completed to generate an updated list of federally-protected species that may occur within the AUAR area. Based on this review, three species have the potential to occur within the AUAR area: the northern long-eared bat (NLEB), tricolored bat, and the monarch butterfly.

- Northern long-eared bat (Myotis septentrionalis) Endangered
- Tricolored Bat (Perimyotis subflavus) Proposed Endangered
- Monarch Butterfly (Danaus plexippus) Candidate

⁴ USFWS. 2017c. Information for Planning and Conservation Database. https://ecos.fws.gov/ipac/project/STKA5MGTNFCO7OUZLZUEXUN2O4/resources. Website accessed January, 2023

Northern long-eared bat

Suitable roosting, forage, and travel habitat for the NLEB in the summer consists of a wide variety of forested and wooded habitats. While roosting, NLEB is generally found in deep crevices in areas such as forests and woodlots (i.e., live trees and/or snags greater than or equal to three inches diameter at breast height that have exfoliating bark, cracks, crevices, and/or cavities) as well as linear features such as fence rows, riparian forests, and other wooded corridors. NLEB roosts in both live trees or snags. (Sasse and Perkins 1996⁵; Foster and Kurta 1999⁶; Owen et al. 2003⁷). During winter months, NLEB hibernate in caves or abandoned mines (Foster and Kurta 1999)².

Present land use within the AUAR area is dominated by a mixture of residential, commercial, office and industrial uses, and gravel mining. Present land use within the future development portion of the AUAR area is primarily developed lands (combination of residential, regional mixed use, and office/warehouse/industrial). Isolated woodlands in the southeast corner of the AUAR area could provide limited potential summer habitat for the NLEB. Tree clearing and other construction activities will need to be determined before official determination for the NLEB can be made.

In 2017, the 4(d) Rule under the Endangered Species Act (ESA) was used to review impacts to NLEB. It was determined that the AUAR area, located in Hennepin County, fell within a white nose syndrome (WNS) buffer zone⁸. For areas within the WNS buffer zone, the incidental take (e.g., the harm, harassment or killing of a bat as a side effect of otherwise lawful actions, like tree clearing) from tree removal activities was not prohibited unless: 1) it resulted in removing a known occupied maternity roost tree, 2) if tree removal activities occurred within 150 feet of a known occupied maternity roost tree from June 1 through July 31, or 3) tree removal activities occurred within 0.25 mile of a hibernaculum at any time. Tree removal activities could then proceed without a permit and there was no need to contact the USFWS.

Per a 2023 search of the Minnesota Department of Natural Resources (DNR) Natural Heritage Information System (NHIS) database under license agreement LA-1005, there are no records of NLEB maternity roost trees or hibernaculum within the AUAR area or within a one-mile buffer. Additionally, the DNR and USFWS joint document that identifies maternity roost trees and hibernacula entrances in Minnesota indicated that there are no known

⁵ Sasse, D.B., and P.J. Pekins. 1996. Summer roosting ecology of northern long-eared bats (*Myotis* septentrionalis) in the White Mountain National Forest. Bats and forests symposium. British Columbia Ministry of Forests Working Paper 23:91-101.

⁶ Foster, R.W. and A. Kurta. 1999. Roosting ecology of the northern bat. (*Myotis septentrionalis*) and comparisons with the endangered Indiana bat (*Myotis sodalis*). Journal of Mammalogy 80:659-672.

⁷ Owen et al. 2003. Homerange size and habitat use by the northern Myotis (Myotis septentrionalis). American Midland Naturalist 150: 352-359.

⁸ MDNR. 2020. White-nose Syndrome and Minnesota's Bats. Available at: https://www.dnr.state.mn.us/wns/index.html. Accessed January 2023.

maternity roost trees with 150 feet or know hibernacula entrances within 0.25 miles of the AUAR area?

Notably, the 4(d) Rule of the ESA will be nullified on March 31, 2023 when the reclassification of the species from threatened to endangered goes into effect. The USFWS is developing tools that will need to be reviewed when available based on the presence of potential summer roosting habitat and tree clearing in the AUAR area.

Tricolored bat

During the non-hibernating seasons, tricolored bats will roost in live and dead leaf clusters of live or dead deciduous hardwood trees. Tricolored bats have also been observed roosting in artificial structures such as barns, bridges, roofs, and other concrete structures. During the winter, tricolored bats hibernate in caves and mines. If mines or caves are not present within the region, they have been observed hibernating in road-associated culverts, tree cavities, and abandoned water wells. (USFWS 2022) 10. Isolated woodlands are located in the southeast corner of the study area which may provide suitable summer habitat for the tricolored bat. Tree clearing activities will need to be confirmed to determine the effects on the tricolored bat.

Monarch butterfly

The monarch butterfly is a migratory butterfly that exists in two main populations within the United States divided by the Rocky Mountains: the eastern population that overwinters in the mountains of Mexico, and the western population that overwinters along the southern pacific coast of California (United States Department of Agriculture [USDA] Forest Service undated)¹¹. This species generally occurs in areas with high densities of nectar sources, preferably native prairies with nectar species such as black-eyed Susan (Rudbeckia hirta), narrow-leaved coneflower (Echinacea angustifolia), and rough blazing star (Lastris aspera) that are utilized for feeding by adults (MDNR 2022)¹². However, the presence of milkweed (Asclepias spp.) is required for breeding habitat as it is the only plant on which the larvae can feed (National Wildlife Federation undated)¹³. Based on the lack of suitable habitat

⁹ MDNR and USFWS. 2021. Townships Containing Documented Northern Long-Eared Bat (NLEB) Maternity Roost Trees And/Or Hibernacula Entrances in Minnesota. Available at: http://files.dnr.state.mn.us/eco/ereview/minnesota_nleb_township_list_and_map.pdf. Accessed January 2023.

¹⁰ USFWS. 2022. Tricolored Bat (*Perimyotis subflavus*). U.S. Fish & Wildlife Service. Available: <u>Tricolored Bat (Perimyotis subflavus)</u> | U.S. Fish & Wildlife Service (fws.gov). Accessed January 2023

United States Department of Agriculture [USDA] Forest Service. undated. Migration and Overwintering. Available at: https://www.fs.fed.us/wildflowers/pollinators/Monarch Butterfly/migration/. Accessed November 2021.

¹² MDNR. 2022. Butterfly Gardens. Available at: https://www.dnr.state.mn.us/gardens/butterfly/index.html. Accessed March 2022.

¹³ National Wildlife Federation. undated. Monarch Butterfly. Available at: https://www.nwf.org/Educational-Resources/Wildlife-Guide/Invertebrates/Monarch-Butterfly. Accessed December 2021.

within the AUAR area such as milkweed and native prairie for the monarch butterfly, adverse effects are not anticipated for the monarch butterfly.

Migratory Birds

According to the USFWS IPaC, there are 10 migratory birds of concern with the potential to occur within the AUAR area.

Construction activities and development within the AUAR area have the potential to impact birds protected under the Migratory Bird Treaty Act (MBTA). The MBTA makes it illegal for anyone to take (i.e., to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct) any migratory bird, or the parts, nests, or eggs of such a bird except under the terms of a valid permit issued pursuant to Federal regulations.

Under the MBTA, construction activities in grassland, roadsides, wetland, riparian (stream), shrubland, or woodland habitats that would otherwise result in the taking of migratory birds, eggs, young and/or active nests should be avoided. Although the provisions of the MBTA are applicable throughout the entire year, most migratory bird nesting activity in Minnesota occurs approximately from mid-March to August 15, per the MDNR¹⁴.

State-Listed Threatened and Endangered Species

Based upon a 2023 review of the MDNR NHIS under license agreement LA-1005, there are no known records of state-listed species within the AUAR area. The review indicated known records of two species within the AUAR area vicinity:

- Least darter (Etheostoma microperca) There is one record of this species in the vicinity of the AUAR area, observed in Eagle Lake in September 2006. Eagle Lake is located outside of the AUAR area. This species is tracked and listed as a species of special concern in Minnesota; however, species of special concern are not protected by state regulations. Furthermore, while the AUAR area contains waterbodies that could potentially provide suitable habitat for this fish species, these waterbodies are not naturally occurring and instead a result of gravel mining and therefore most of them will be reclaimed.
- Pugnose shiner (Notropis anogenus) This species is state-listed as threatened. Two
 records of this species, observed in July 1948 and September 2006, are located
 within Fish Lake and Eagle Lake, both of which are outside of the AUAR area. While
 the AUAR area contains waterbodies that could potentially provide suitable habitat
 for this fish species, these waterbodies are not naturally occurring and instead a
 result of gravel mining and therefore most of them will be reclaimed.

MDNR. 2014. Best Practices for Meeting DNR GP 2004-0001 (version 4, October 2014). http://files.dnr.state.mn.us/waters/watermamt_section/pwpermits/ap_2004_0001_chapter1.pdf.

These records were also recorded in the 2017 Update and no changes were identified in the 2023 review.

Because the development scenarios do not include alterations to waterbodies within the AUAR area, it is unlikely that either development scenario would directly impact the least darter or pugnose shiner. If required practices for stormwater and sediment control are followed during construction or development within the AUAR area, then there will be no effect on either fish species.

Per an analysis of NHIS data, there are no mapped high quality plant communities or MDNR-mapped Sites of Biodiversity Significance within the Project Area or the immediate vicinity. One lake of biological significance, Eagle Lake, and two regionally significant ecological areas (RSEAs) ranked as "high", one of which is associated with Cedar Island Lake, are located within a one-mile buffer of the AUAR area.

c. Discuss how the identified fish, wildlife, plant communities, rare features and ecosystems may be affected by the project. Include a discussion on introduction and spread of invasive species from the project construction and operation. Separately discuss effects to known threatened and endangered species.

Neither of the two development scenarios are anticipated to have a significant adverse effect on federally or state-listed threatened and endangered species in AUAR area.

The AUAR area may provide limited suitable summer habitat for the NLEB. Limited trees are present within the AUAR area primarily near the northwestern quadrant of the I-694/Highway 169 interchange and north of Elm Creek Boulevard near the intersection at Zachary Lane. Given the reclassification of the NLEB from threatened to endangered, the 4(d) Rule of the ESA will no longer apply to this species come March 31, 2023 when the reclassification goes into effect. The USFWS is developing new tools for NLEB consultation that will need to be reviewed once available based on the presence of potential summer roosting habitat and any tree clearing activities.

Urban wildlife may be impacted with the removal of woodland and dry grassland within the AUAR area; however, these habitat generalist species are typically adaptive to development activities and would likely relocate to undeveloped areas in the vicinity or continue to live in the remaining undeveloped areas within the AUAR area.

Construction activities in grassland, roadsides, shrubland, or woodland habitats within the AUAR area may result in the taking of migratory birds, eggs, young and/or active nests, if present. Although the provisions of the MBTA are applicable throughout the entire year, most migratory bird nesting activity in Minnesota occurs approximately from mid-March to August 15. When possible, removal of vegetation will occur outside of this timing window to minimize potential take of migratory birds, if present.

Construction activities that involve soil disturbance can result in the introduction and spread of invasive species. Minnesota statutes (Chapter 18) and local ordinances regulate management of noxious weeds and invasive species. Best management practices during

construction activities and operation within the AUAR area should be implemented to minimize the introduction or spread of noxious weeds and invasive species at the site.

d. Identify measures that will be taken to avoid, minimize, or mitigate adverse effects to fish, wildlife, plant communities, and sensitive ecological resources.

Limited wildlife habitat remains within the AUAR area, which is zoned for full development.

There are no records of NLEB maternity roost trees or hibernacula within the AUAR area or a one-mile buffer based on MDNR NHIS review. However, given the reclassification of the NLEB from threatened to endangered and the nullification of the 4(d) Rule of the ESA scheduled to go into effect on March 31, 2023, new guidance from the USFWS, when available, will need to be consulted in order to effectively avoid, minimize, or mitigate impacts to the NLEB.

When possible, removal of vegetation will occur outside of this timing window to minimize potential take of migratory birds, if present. If vegetation clearing cannot be avoided during the peak breeding season for migratory birds (approximately mid-March to August 15), a qualified biologist will conduct a pre-construction breeding bird survey within AUAR area to determine the absence or presence of breeding birds and their nests. Pre-construction breeding bird surveys may include:

- Pre-construction surveys that occur no more than two weeks before tree and shrub clearing activities commence. The area surveyed will include the areas where potential suitable habitat has been identified and tree or shrub clearing has not been completed.
- 2. If an occupied nest is observed during the survey, tree and shrub clearing activities will not be permitted within a 0.12-mile buffer of the nest site during the breeding season or until the fledglings have left the area. Consult with the USFWS to avoid take of the species.

Upon completion, the survey results will be submitted to the USFWS, as appropriate. If breeding birds are not present, construction can proceed with no restrictions. If breeding birds or active nests are present, additional consultation will be required.

The results of the MDNR NHIS review are typically valid for one year. The NHIS database should be consulted prior to the commencement of construction activities within the AUAR area to identify any new records of rare or otherwise significant species, native plant communities, and other natural features within the AUAR area vicinity.

Best management practices and erosion and sediment control devices will be used during construction activities to prevent the flow of sediment into wetlands and open water within or adjacent to the AUAR area, which could result in adverse effects to water quality (e.g., turbidity) and aquatic species, if present.

MITIGATION STRATEGIES

As of 2023, the only update to mitigation strategies relates to the NLEB and the reclassification from threatened to endangered and the nullification of the 4(d) Rule of the ESA, both of which

are scheduled to go into effect on March 31, 2023. Once available, new tools from the USFWS should be reviewed to provide guidance for this species and how to mitigate any impacts.

Additionally, DNR requested mitigation strategies in the comment period. New developments are encouraged to use native plants and seed mixes in project landscaping and stormwater features in order to provide pollinator habitat. Native plants typically do not require the use of soil amendments, and do not need as much irrigation.

14. Historic Properties

The 2017 Update determined that there were no archaeological, historical, or architectural resources on or in proximity to the AUAR area and identified no impacts on any listed resources. There are no changes for the 2023 Update.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

15. Visual

The AUAR area is not located near any scenic views or vistas. The 2010 Update stated that a number of tall office buildings would likely be constructed and be visible some distance from the GMA. However, the 2017 Update concluded that, given the developed suburban environment of the area, this type of development would not have an adverse visual impact. There are no changes for the 2017 Update.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update.

16. Air

a. Stationary source emissions - Describe the type, sources, quantities and compositions of any emissions from stationary sources such as boilers or exhaust stacks. Include any hazardous air pollutants, criteria pollutants, and any greenhouse gases. Discuss effects to air quality including any sensitive receptors, human health or applicable regulatory criteria. Include a discussion of any methods used assess the project's effect on air quality and the results of that assessment. Identify pollution control equipment and other measures that will be taken to avoid, minimize, or mitigate adverse effects from stationary source emissions.

Stationary source emissions will not be produced by future development.

a. Vehicle emissions - Describe the effect of the project's traffic generation on air emissions. Discuss the project's vehicle-related emissions effect on air quality. Identify measures (e.g. traffic operational improvements, diesel idling minimization plan) that will be taken to minimize or mitigate vehicle-related emissions. As described in Item 18, since the 2017 Update, the projected number of trips generated by development within the GMA has been reduced by 82,463 daily trips. The 2023 Update projected 191,000 trips per day would be generated under the GMA Maximum Development Scenario, compared to the 2017 Update which projected 273,392 trips per day. This reduction is primarily associated in the planned shopping center within Area A changing to various commercial and office uses, and improved data from ITE in calculating traffic generation for specific uses.

Motorized vehicles affect air quality by emitting air borne pollutants. The changes in traffic volumes, travel patterns, and roadway locations resulting from either development scenario could affect air quality by changing the number of vehicles and the congestion levels in the AUAR area. The air quality impacts from the development scenarios will be analyzed by addressing criteria pollutants, a group of common air pollutants regulated by the EPA on the basis of criteria (information on health and/or environmental effects of pollution). The criteria pollutants identified by the EPA are ozone, particulate matter, carbon monoxide, nitrogen dioxide, lead, and sulfur dioxide. Potential impacts resulting from these pollutants are assessed by comparing projected concentrations to National Ambient Air Quality Standards (NAAQS).

In addition to the criteria air pollutants, the EPA also regulates air toxics. The Federal Highway Administration (FHWA) provides guidance for the assessment of Mobile Source Air Toxic (MSAT) effects for transportation projects in the National Environmental Policy Act (NEPA) process. A qualitative evaluation of MSATs has been performed for this AUAR, the scope and methods of which have been developed in collaboration with MnDOT and the MPCA.

National Ambient Air Quality Standards (NAAQS) - Criteria Pollutants

Ozone

Ground-level ozone is a primary constituent of smog and is a pollution problem throughout many areas of the United States. Exposures to ozone can cause people to be more susceptible to respiratory infection, resulting in lung inflammation, and aggravating respiratory diseases, such as asthma. Ozone is not emitted directly from vehicles but is formed when volatile organic compounds (VOCs) and nitrogen oxides (NOx) react in the presence of sunlight. Transportation sources emit NOx and VOCs and can, therefore, affect ozone concentrations. However, due to the phenomenon of atmospheric formation of ozone from chemical precursors, concentrations are not expected to be elevated near a particular roadway.

The MPCA, in cooperation with various other agencies, industries, and groups, has encouraged voluntary control measures for ozone and has begun developing a regional ozone modeling effort. Ozone concentrations in the lower atmosphere are influenced by a complex relationship of precursor concentrations, meteorological conditions, and

regional influences on background concentrations. MPCA states in *The air we breathe:* The state of Minnesota's air quality | 2019 15 that:

Ozone and fine-particle levels in Minnesota have been improving since 2003. However, progress in reducing both pollutants has been affected by year-to-year variability in the weather. Moreover, climate change may cause future challenges, both from increased local temperatures causing more ozone to form, and from longer and more frequent droughts resulting in more fine-particle pollution from wildfires.

As all areas of the state currently meet the national health-based standards for ozone levels, this project is exempt from performing further ozone analyses.

Particulate Matter

Particulate matter (PM) is the term for particles and liquid droplets suspended in the air. Particles come in a wide variety of sizes and have been historically assessed based on size, typically measured by the diameter of the particle in micrometers. $PM_{2.5}$, or fine particulate matter, refers to particles that are 2.5 micrometers or less in diameter. PM_{10} refers to particulate matter that is 10 micrometers or less in diameter.

Motor vehicles (i.e., cars, trucks, and buses) emit direct PM from their tailpipes, as well as from normal brake and tire wear. Vehicle dust from paved and unpaved roads may be reentrained, or re-suspended, in the atmosphere. In addition, PM_{2.5} can be formed in the atmosphere from gases such as sulfur dioxide, nitrogen oxides, and volatile organic compounds. PM_{2.5} can penetrate the human respiratory system's natural defenses and damage the respiratory tract when inhaled. Numerous scientific studies have linked particle pollution exposure to a variety of problems, including ¹⁶:

- Premature death in people with heart or lung disease;
- Nonfatal heart attacks;
- Irregular heartbeat;
- Aggravated asthma;
- Decreased lung function; and,
- Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing.

On January 6, 2023, the EPA issued a proposed rule revising the annual health NAAQS for fine particles ($PM_{2.5}$). The rule can be found in 40 CFR Parts 50, 53 and 58 of the Federal Register ¹⁷: The EPA website states ¹⁸:

¹⁵ Source: https://www.pca.state.mn.us/sites/default/files/lraq-1sy19.pdf

¹⁶ Source: https://www.epa.gov/pm-pollution/health-and-environmental-effects-particulate-matter-pm

¹⁷ Source: <u>2023-00269.pdf (govinfo.gov)</u>

¹⁸ Source: National Ambient Air Quality Standards (NAAQS) for PM | US EPA

On January 6, 2023, after carefully reviewing the most recent available scientific evidence and technical information, and consulting with the Agency's independent scientific advisors, EPA announced its proposed decision to revise the primary (health-based) annual PM2.5 standard from its current level of 12.0 µg/m3 to within the range of 9.0 to 10.0 µg/m3. EPA also proposed not to change the current:

- secondary (welfare-based) annual PM2.5 standard,
- primary and secondary 24-hour PM2.5 standards, and
- primary and secondary PM10 standards.

In addition, EPA proposed revisions to other key aspects related to the PM NAAQS, including revisions to the Air Quality Index (AQI) and monitoring requirements.

The Clean Air Act conformity requirements include the assessment of localized air quality impacts of federally-funded or federally-approved transportation projects that are located within $PM_{2.5}$ nonattainment and maintenance areas and deemed to be projects of air quality concern. The AUAR area is located in an area that has been designated as an unclassifiable/attainment area for PM. This means that the AUAR area has been identified as a geographic area that meets the national health-based standards for PM levels, and therefore is exempt from performing PM analyses.

Nitrogen Dioxide (Nitrogen Oxides)

Nitrogen oxides, or NO_x , are the generic term for a group of highly reactive gases, all of which contain nitrogen and oxygen in varying amounts. Nitrogen oxides form when fuel is burned at high temperatures, as in a combustion process. The primary sources of NO_x are motor vehicles, electric utilities, and off-road equipment. The MPCA's website 19 indicates that:

On its own, nitrogen dioxide can cause lung irritation and diminish immune responses to respiratory infections. Individuals with pre-existing conditions, especially asthma, as well as young children and the elderly, are particularly susceptible. Exposure can cause coughing, wheezing, or difficulty breathing, and can send affected individuals to the hospital. Secondary pollutants formed with nitrogen dioxide — including ozone and particulate matter — also have negative health impacts.

Nitrogen dioxide (NO₂), which is a form of nitrogen oxide (NO_x), is regularly monitored. Minnesota currently meets federal nitrogen dioxide standards, according to the 2021 Annual Air Monitoring Network Plan²⁰. A monitoring site meets the annual NAAQS for NO₂ if the annual average is less than or equal to 53 parts per billion (ppb). As shown in Chart 16-

Maple Grove GMA AUAR Update

¹⁹ Source: https://www.pca.state.mn.us/pollutants-and-contaminants/nitrogen-dioxide

²⁰ Source: https://www.pca.state.mn.us/sites/default/files/aq10-18a.pdf

1, the 2019 Minnesota NO_2 monitoring site averages ranged from 4 ppb to 8 ppb; therefore, Minnesota currently meets the annual NAAQS for NO_2 .

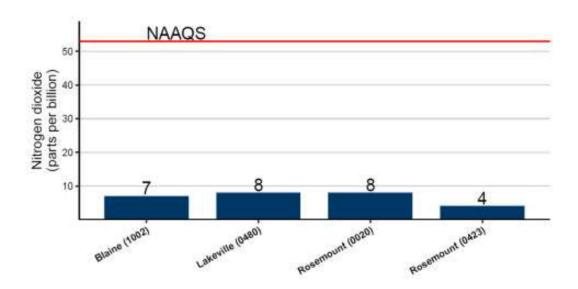


Chart 16-1: Annual Average NO₂ Concentrations Compared to the NAAQs

The EPA's December 1999 regulatory announcement, EPA420-F-99-051²¹, describes the Tier 2 standards for tailpipe emissions, and states:

The new tailpipe standards are set at an average standard of 0.07 grams per mile for nitrogen oxides for all classes of passenger vehicles beginning in 2004. This includes all light-duty trucks, as well as the largest SUVs. Vehicles weighing less than 6000 pounds will be phased-in to this standard between 2004 and 2007.

As newer, cleaner cars enter the national fleet, the new tailpipe standards will significantly reduce emissions of nitrogen oxides from vehicles by about 74 percent by 2030. The standards also will reduce emissions by more than 2 million tons per year by 2020 and nearly 3 million tons annually by 2030.

In the 2021 Annual Air Monitoring Network Plan for Minnesota²², it states the following with regard to the 1-hour NO₂ standard:

On January 22, 2010, the EPA finalized revisions to the NO2 NAAQS. As part of the standard review process, the EPA retained the existing annual NO2

²¹ Source: https://www3.epa.gov/tier2/documents/f99051.pdf

²² Source: https://www.pca.state.mn.us/sites/default/files/aq10-18a.pdf

NAAQS, but also created an additional one-hour standard. The new one-hour NAAQS is intended to protect against adverse health effects associated with short-term exposures to elevated NO2. To meet this standard, the three-year average of the annual 98th percentile daily maximum one-hour NO2 concentration must not exceed 100 ppb. Minnesota averages ranged from 25 ppb at Rosemount (0423) to 43 ppb at the Lakeville near-road site (0480); therefore, all Minnesota sites currently meet the one-hour NAAQS for NO2.

As shown in Chart 16-2, the 2019 Minnesota NO₂ monitoring site averages ranged from 25 ppb to 41 ppb; therefore, Minnesota currently meets the annual NAAQS for NO₂.

NAAQS 100 90 80 Nitrogen dioxide parts per billion 70 60 50 43 41 40 35 30 20 10 Lakeville (0480) Rosemount (0020) Rosemount (0423) Blaine (1002)

Chart 16-2: 1-Hour NO₂ Concentrations Compared to the NAAQs

Within the AUAR area, it is unlikely that NO_2 standards will be approached or exceeded based on the relatively low ambient concentrations of NO_2 in Minnesota and on the long-term trend toward reduction of NO_x emissions. Because of these factors, a specific analysis of NO_2 was not conducted for this project.

Sulfur Dioxide

Sulfur dioxide (SO_2) and other sulfur oxide gases (SO_x) are formed when fuel containing sulfur, such as coal, oil, and diesel fuel is burned. Sulfur dioxide is a heavy, pungent, colorless gas. Elevated levels can impair breathing, lead to other respiratory symptoms, and at very high levels aggravate heart disease. People with asthma are most at risk when SO_2 levels increase. Once emitted into the atmosphere, SO_2 can be further oxidized to sulfuric acid, a component of acid rain. Emissions of sulfur oxides from transportation sources are a small component of overall emissions and continue to decline due to the desulphurization of fuels.

In the 2021 Annual Air Monitoring Network Plan for Minnesota²³, it states the following with regard to SO₂:

On June 2, 2010, the EPA finalized revisions to the primary SO₂ NAAQS. EPA established a new one-hour standard, which is met if the three-year average of the annual 99th percentile daily maximum one-hour SO₂ concentration is less than 75 ppb. Minnesota averages from 2017-2019 ranged from 3 ppb at Rosemount (0443) and Blaine (1002) to 15 ppb at Rosemount (0020); therefore, all Minnesota sites currently meet the one-hour NAAQS for SO₂.

Because of these factors, an analysis for sulfur dioxide was not conducted for this project.

80 NAAQS 70 parts per billion) 60 Sulfur dioxide 50 40 30 20 15 10 St. Paul Park (0436) Blaine (1002) Rosemount (0020) Rosemount (0423) Rosemount (0443)

Chart 16-3: 1-Hour SO₂ Concentrations Compared to the NAAQs

Lead

Due to the phase out of leaded gasoline, lead is no longer a pollutant associated with vehicular emissions.

Carbon Monoxide

The AUAR area is not located within a CO maintenance or nonattainment area. Future development is expected to generate increased vehicular traffic, which will result in a relatively small increase in CO emissions and other vehicle related emissions. The EPA has approved a CO hot spot screening method designed to identify intersections that may

²³ Source: https://www.pca.state.mn.us/sites/default/files/aq10-18a.pdf

result in CO emissions that exceed air quality standards. This screening method assumes that intersections with a total daily traffic volume exceeding 82,300 vehicles per day may result in potential CO impacts that exceed air quality standards. An update to the traffic impact study was completed for the AUAR, which is discussed in Item 20. Based on this study, intersections within the study area would not generate traffic exceeding 82,300 vehicles per day. Therefore, it is not anticipated that vehicle emissions generated by the maximum develop scenario would have the potential to significantly impact CO air pollution.

Mobile Source Air Toxics

In addition to the criteria air pollutants, the EPA also regulates air toxics. The Federal Highway Administration (FHWA) provides guidance for the assessment of Mobile Source Air Toxic (MSAT) effects for transportation projects. A qualitative evaluation of MSATs has been performed for the AUAR, the scope and methods of which have been developed in collaboration with MnDOT, MPCA, and FHWA.

Controlling air toxic emissions became a national priority with the passage of the Clean Air Act Amendments (CAAA) of 1990, whereby Congress mandated that the EPA regulate 188 air toxics, also known as hazardous air pollutants. The EPA assessed this expansive list in its rule on the Control of Hazardous Air Pollutants from Mobile Sources (Federal Register, Vol. 72, No. 37, page 8430, February 26, 2007), and identified a group of 93 compounds emitted from mobile sources that are part of EPA's Integrated Risk Information System (IRIS).²⁴ In addition, EPA identified nine compounds with significant contributions from mobile sources that are among the national and regional-scale cancer risk drivers or contributors and non-cancer hazard contributors from the 2011 National Air Toxics Assessment (NATA).²⁵ These are 1,3-butadiene, acetaldehyde, acrolein, benzene, diesel particulate matter (diesel PM), ethylbenzene, formaldehyde, naphthalene, and polycyclic organic matter. While FHWA considers these the priority mobile source air toxics, the list is subject to change and may be adjusted in consideration of future EPA rules.

Motor Vehicle Emissions Simulator (MOVES)

According to EPA, MOVES2014 is a major revision to MOVES2010 and improves upon it in many respects. MOVES2014 includes new data, new emissions standards, and new functional improvements and features. It incorporates substantial new data for emissions, fleet, and activity developed since the release of MOVES2010. These new emissions data are for light- and heavy-duty vehicles, exhaust and evaporative emissions, and fuel effects. MOVES2014 also adds updated vehicle sales, population, age distribution, and vehicle miles travelled (VMT) data. MOVES2014 incorporates the effects of three new Federal emissions standard rules not included in MOVES2010. These new standards are all expected to impact MSAT emissions and include Tier 3 emissions and fuel standards starting in 2017 (79 FR 60344), heavy-duty greenhouse gas regulations that phase in during model years 2014-2018 (79 FR 60344), and the second phase of light duty greenhouse gas regulations that phase in during model years 2017-2025 (79 FR 60344). Since the release of

-- <u>IIIDs.//www.epa.gov/iiis</u>

²⁴ https://www.epa.gov/iris

²⁵ https://www.epa.gov/national-air-toxics-assessment

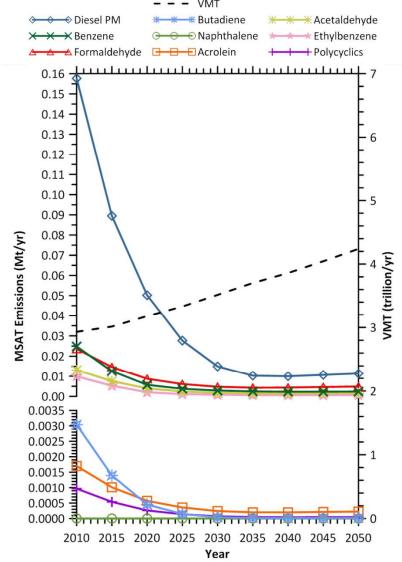
MOVES2014, EPA has released MOVES2014a. In the November 2015 MOVES2014a Questions and Answers Guide, ²⁶ EPA states that for on-road emissions, MOVES2014a adds new options requested by users for the input of local VMT, includes minor updates to the default fuel tables, and corrects an error in MOVES2014 brake wear emissions. The change in brake wear emissions results in small decreases in PM emissions, while emissions for other criteria pollutants remain essentially the same as MOVES2014.

Using EPA's MOVES2014a model, as shown in Exhibit 5, FHWA estimates that even if VMT increases by 45 percent from 2010 to 2050 as forecast, a combined reduction of 91 percent in the total annual emissions for the priority MSAT is projected for the same time period.

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²⁶ EPA. MOVES2014a Questions and Answers Guide. November 2015. https://nepis.epa.gov/Exe/ZvPDF.cai?Dockev=P100NNR0.txt

Chart 16-4: FHWA Projected National MSAT Emission Trends 2010 – 2050 For Vehicles Operating on Roadways using EPA's MOVES2014a MODEL



Note: Trends for specific locations may be different, depending on locally derived information representing vehicle-miles travelled, vehicle speeds, vehicle mix, fuels, emission control programs, meteorology, and other factors

Source: EPA MOVES2014a model runs conducted by FHWA, September 2016.

27

Diesel PM is the dominant component of MSAT emissions, making up 50 to 70 percent of all priority MSAT pollutants by mass, depending on calendar year. Users of MOVES2014a

Source:

https://www.fhwa.dot.gov/environment/air quality/air toxics/policy and guidance/aqintguidmem.cfmhttps://www.fhwa.dot.gov/environment/air quality/air toxics/policy and guidance/aqintguidmem.cfm

will notice some differences in emissions compared with MOVES2010b. MOVES2014a is based on updated data on some emissions and pollutant processes compared to MOVES2010b, and also reflects the latest Federal emissions standards in place at the time of its release. In addition, MOVES2014a emissions forecasts are based on lower VMT projections than MOVES2010b, consistent with recent trends suggesting reduced nationwide VMT growth compared to historical trends.

Qualitative MSAT Analysis

For either development scenario in this AUAR, the amount of MSAT emitted would be proportional to the average daily traffic, or ADT, assuming that other variables such as fleet mix are the same.

The ADT estimated for either build scenario is higher than that for the No Build condition, because of the additional activity associated with the proposed development. This increase in ADT would lead to higher MSAT emissions in the vicinity of the AUAR area. The higher emissions could be offset somewhat by a decrease in regional traffic due to increased use of transit. The extent to which these emissions decreases will offset vehicle related emissions increases is not known.

However, regardless of which scenario is chosen, emissions will likely be lower than present levels in the design year as a result of EPA regulations for vehicle engines and fuels, which are expected to cause overall MSAT emissions to decline significantly over the next several decades. Based on regulations now in effect, an analysis of national trends with EPA's MOVES2014 model forecasts a combined reduction of over 90 percent in the total annual emissions rate for the priority MSAT from 2010 to 2050 while vehicle-miles of travel are projected to increase by over 45 percent (Updated Interim Guidance on Mobile Source Air Toxic Analysis in NEPA Documents, Federal Highway Administration, October 12, 2016). This will both reduce the background level of MSAT as well as the possibility of even minor MSAT emissions from this project. Local conditions may differ from these national projections in terms of fleet mix and turnover, ADT growth rates, and local control measures. However, the EPA-projected reductions are so significant (even after accounting for ADT growth) that MSAT emissions in the study area are likely to be lower in the future in nearly all cases.

The additional activity contemplated as part of the project scenarios could have the effect of increasing emissions in the vicinity of nearby homes and businesses; therefore, under the Build scenario there may be localized areas where ambient concentrations of MSATs would be higher than under the No Build conditions. However, as discussed above, the magnitude and the duration of these potential differences cannot be reliably quantified due to incomplete or unavailable information in forecasting project-specific health impacts. Even though there may be differences among the scenarios, on a region-wide basis, EPA's vehicle and fuel regulations, coupled with fleet turnover, will cause substantial reductions over time that in almost all cases the MSAT levels in the future will be significantly lower than today.

In conclusion, the Build scenario for the project is expected to be associated with higher levels of MSAT emissions in the study area, relative to the No Build condition, along with

some benefit from mode shifts to transit. There also could be slightly higher differences in MSAT levels in a few localized areas where activity occurs closer to homes, and businesses. Under all scenarios, MSAT levels are likely to decrease over time due to nationally mandated cleaner vehicles and fuels.

The results of the analysis demonstrate that concentrations of CO in the AUAR area would be substantially below the state and federal standards, and that no exceedances are anticipated due to additional traffic generated by the proposed development.

Potential Impacts

The increase in traffic associated with new development was considered in a qualitative evaluation of MSATs. The increased traffic could lead to higher MSAT emissions near the AUAR area. Therefore, under both Development Scenarios there may be localized areas where ambient concentrations of MSATs would be higher than under existing conditions. However, the magnitude and duration of these potential differences cannot be reliably quantified, due to incomplete or unavailable information in forecasting project-specific health impacts. On a region-wide basis, EPA's vehicle and fuel regulations, coupled with fleet turnover, will cause substantial reductions over time that in almost all cases the MSAT levels in the future will be significantly lower than today.

MITIGATION STRATEGIES

- The qualitative analysis contained in this section demonstrates there will be no anticipated exceedances of air pollutant concentrations resulting from the proposed project; therefore, no mitigation measures are necessary. The State of Minnesota does not require permits for traffic-related emissions for projects of this type. This analysis also demonstrates that no exceedances are anticipated under the construction phase. However, a series of Best Management Practices (BMPs) would be implemented during construction to control dust. This may include the following preventive and mitigative measures:
 - Minimization of land disturbance during site preparation
 - Use of watering trucks to minimize dust
 - Covering of trucks while hauling soil/debris off-site or transferring materials
 - Stabilization of dirt piles if they are not removed immediately
 - Use of dust suppressants on unpaved areas
 - Minimization of unnecessary vehicle and machinery idling
- Pursuant to Minnesota Rules 4410.3610, Subpart 1, several heavy industrial uses are not allowed to utilize the AUAR process to satisfy the mandatory environmental review for many. These include the uses exceeding mandatory EAW thresholds per Minnesota Rules 4410.4300, subparts 2 to 13, 15 to 17, 18 (item C, D, or E), or 24; and mandatory Environmental Impact Statement (EIS) thresholds per 4410.4400, subparts 2 to 10, 12, 13, or 25. For many of these uses, the Minnesota Rules assign an RGU other than the local governmental unit. If any of these uses are proposed within the AUAR area, they would be subject to the completion of the appropriate environmental review, conducted by the RGU listed in the rules.

b. Dust and odors - Describe sources, characteristics, duration, quantities, and intensity of dust and odors generated during project construction and operation. (Fugitive dust may be discussed under item 16a). Discuss the effect of dust and odors in the vicinity of the project including nearby sensitive receptors and quality of life. Identify measures that will be taken to minimize or mitigate the effects of dust and odors.

The full buildout scenario would not generate substantial odors during construction. Potential odors would include exhaust from diesel engines and fuel storage. Dust generated during construction will be minimized through standard dust control measures such as applying water to exposed soils and limiting the extent and duration of exposed soil conditions. Construction contractors will be required to control dust and other airborne particulates in accordance with MnDOT specifications. After construction is complete, dust levels are anticipated to be minimal because all soil surfaces exposed during construction would be in permanent cover (i.e., paved or revegetated areas).

MITIGATION STRATEGIES

The qualitative analysis contained in this section demonstrates there will be no anticipated exceedances of air pollutant concentrations resulting from the proposed project; therefore, no mitigation measures are necessary. The State of Minnesota does not require permits for traffic-related emissions for projects of this type. This analysis also demonstrates that no exceedances are anticipated under the construction phase. However, a series of Best Management Practices (BMPs) would be implemented during construction to control dust. This may include the following preventive and mitigative measures:

- Minimization of land disturbance during site preparation
- Use of watering trucks to minimize dust
- Covering of trucks while hauling soil/debris off-site or transferring materials
- Stabilization of dirt piles if they are not removed immediately
- Use of dust suppressants on unpaved areas (DNR recommends limiting the use of these products within Wellhead Protection Areas)
- Minimization of unnecessary vehicle and machinery idling

17. Noise

As stated in the AUAR guidelines, construction noise need not be addressed unless there is some unusual reason to do so. No unusual circumstances have been identified that would necessitate a detailed noise analysis.

Minnesota Rules Chapter 7030 provides the Minnesota standards for noise. These standards describe the limiting levels of sound established on the basis of present knowledge for the preservation of health and welfare. These standards are designed to be consistent with sleep, speech, annoyance, and hearing conservation requirements for receivers within areas grouped according to land use activities. The Minnesota standards are as follows:

Table 17-1: Minnesota Pollution Control Agency State Noise Standards

Land Use	Code	Day (7:00 a.m 1	0:00 p.m.) dBA	Night (10:00 p.m 7:00 a.m.) dBA			
Residential	NAC-1	L10 of 65	L50 of 60	L10 of 55	L50 of 50		
Commercial	NAC-2	L10 of 70	L50 of 65	L10 of 70	L50 of 65		
Industrial	NAC-3	L10 of 80	L50 of 75	L10 of 80	L50 of 75		

Notes:

- 1. NAC-1 includes household units, transient lodging and hotels, educational, religious, cultural entertainment, camping and picnicking land uses.
- 2. NAC-2 includes retail and restaurants, transportation terminals, professional offices, parks, recreational and amusement land uses.
- 3. NAC-3 includes industrial, manufacturing, transportation facilities (except terminals), and utilities land uses.
- 4. From Minnesota Pollution Control Agency, Minn. Rules sec. 7030.0040

L10 means the sound level which is exceeded for 10 percent of the time for a one-hour period. L50 means the sound level that is exceeded 50 percent of the time for a one-hour period. Sound levels are expressed in dBA. A dBA is a unit of sound level expressed in decibels and weighted for the purpose of approximating the human response to sound.

Minnesota Statutes, Section 116.07, Subd. 2a, exempt noise from local and county roads from the requirements of these noise rules unless full control of access to the road has been acquired. This statute exempts noise from all roadways in the AUAR area.

MITIGATION STRATEGIES

There is no change to mitigation strategies since the 2017 Update. Any developer and the City will ensure that noise levels meet the appropriate Noise Area Classification standards post-construction, and that appropriate mitigation actions are taken, if necessary.

- The AUAR study area will be developed such that where feasible, land use activities sensitive to noise will be suitably set back from existing noise sources such that the potential for noise impact is sufficiently reduced. These details will be determined as each project development proceeds. Once a project is further defined, setback distances from the roadway network within the AUAR area will be reviewed relative to the receptors listed in the above section to determine the potential for a project to exceed State noise standards.
- If needed, a noise analysis will be conducted to model the existing and build condition near the AUAR area. The traffic modeling will be completed using the most current approved FHWA Traffic Noise Model (TNM) in accordance with MnDOT's noise guidance and requirements in place at that time. Prior to beginning the noise analysis, the City will meet with MPCA staff to discuss the proposed traffic noise analysis methodology to ensure that State Standards will be met. Daytime noise monitoring will be conducted at predetermined locations on the project site. A build condition noise model will be developed for specified locations on the project site and be compared to State daytime and nighttime noise standards. If State standards are exceeded, an analysis of proposed noise barriers will be prepared according to MnDOT guidance.

- The City should work with the MPCA and MnDOT during project development and planning, as needed, to ensure that road noise setbacks are appropriate. Noise modeling is an effective way to plan land use and development, but the state noise standards are based solely on monitored noise. Thus, conducting noise monitoring, in addition to modeling, would best ensure compliance with state noise standards, especially in areas where proposals include residential development.
- Where feasible, equipment used for any future construction-related activities should be fitted with the appropriate mufflers.

18. Transportation

- a. Describe traffic-related aspects of project construction and operation. Include: 1) existing and proposed additional parking spaces, 2) estimated total average daily traffic generated, 3) estimated maximum peak hour traffic generated and time of occurrence, 4) indicate source of trip generation rates used in the estimates, and 5) availability of transit and/or other alternative transportation modes.
 - 1. No more parking anticipated since 2017 AUAR Update was completed.
 - 2. 2023 Update GMA Maximum Development- 191,000 trips/day.
 - 3. 2023 Update GMA Maximum Development 19,725 trips/day at peak times of 7am-8am and 5pm-6pm. Trip generation results for each GMA area can be seen in Table 18-

Table 18-1: Trips Generated by GMA – 2017 Update Alternatives 1 and 2 and GMA 2010 Update Alternative 2

		2023 GMA Maximu	2017 Update Alternative 2 GMA Maximum Development			
Area	Use	Daily Trips	Peak Hour Trips	Daily Trips	Peak Hour Trips	
	Commercial	5,070	466	33,600	3,024	
Α	Office	5,347	710	39,082	4,382	
	Industrial	12,590	1,601	-	-	
n	Commercial	35,356	3,227	40,133	4,191	
В	Office	533	67	540	72	
_	Commercial	28,794	2,681	33,664	3,283	
С	Public Facilities	3,589	509	4,163	657	
	Commercial	19,593	1,899	22,598	2,201	
_	Office	8,157	893	13,005	1,941	
D	Residential	7,024	568	8,490	843	
	Public Facilities	43	6	126	33	
	Commercial	-	-	2,781	256	
Е	Residential	5,412	483	4,543	453	
	Public Facilities	3	0	8	2	
	Office	894	119	909	129	
_	Residential	4,843	443	4,323	434	
F	Industrial	548	73	785	122	
	Public Facilities	16	2	50	13	
_	Commercial	445	41	235	20	
G	Industrial	4,736	602	6,821	926	
Н	Industrial	6,922	924	11,249	1,462	
	Commercial	7,738	733	2,310	213	
	Office	952	126	4,031	403	
l	Public Facilities	12	2	51	13	
	Residential	9,943	795	10,748	1,075	
	Office	2,933	390	3,622	362	
J	Residential	1,385	105	2,838	284	
	Industrial	3,303	441	2,877	374	
K	Industrial	2,500	310	3,500	448	
	Commercial	3,021	278	3,429	316	
L	Office	1,156	154	1,280	128	
	Industrial	8,071	1,077	11,601	1,508	
	Grand Total	190,929	19,725	273,392	29,569	

^{4.} In 2021, the Institute for Traffic Engineers released the 11th Edition of Trip Generation. Trip generation rates for the land use categories in the GMA changed slightly in this new edition. These new rates were used in the latest calculations.

- 5. No change since 2017 AUAR Update.
- b. Discuss the effect on traffic congestion on affected roads, and describe any traffic improvements necessary. The analysis must discuss the project's impact on the regional transportation system. If the peak hour traffic generated exceeds 250 vehicles or the total daily trips exceed 2,500, a traffic impact study must be prepared as a part of the EAW. Use

the format and procedures described in the Minnesota Department of Transportation's <u>Access Management Manual</u>, Chapter 5 or a similar local guidance.

Since the 2017 Update, there has been a reduction in daily trips of 82,463 trips. This number results in a lower overall daily trip number than was originally estimated for GMA Maximum Development. The major contributors to this reduction are:

- In Area A, the planned shopping center is now planned for various commercial and office uses, reducing anticipated traffic generation.
- Reductions were also seen in most other areas. In many cases these reductions
 are related to better data from ITE in calculating traffic generation for specific
 uses.

c. Identify measures that will be taken to minimize or mitigate project-related transportation effects.

In addition to measures discussed in the 2017 Update, the Maple Grove Transit Station has been built just west of Hemlock Lane on Main Street. Currently, the transit station services three bus routes that have stops in the GMA Area:

- 781 Express route from Maple Grove Transit Center to Downtown Minneapolis
- 784 Express route from Maple Grove Transit Center to Downtown Minneapolis (different downtown stops than 781 route)
- 789 Express route from Maple Grove Transit Center to the University of Minnesota with stops on the west and east banks of campus.

Plans are being explored to expand the Blue Line LRT north of Minneapolis. The existing layout of the tracks do not extend into the GMA but will be just east of USTH 169 along Broadway Avenue. Stations are not yet planned. Feeder connections between the AUAR area and the Blue Line may be considered.

19. Cumulative Potential Effects

Cumulative potential effects are addressed throughout the AUAR as the AUAR reviews the potential impacts of development scenarios that will include multiple projects that will develop over approximately fifteen years. The response to this question specifically addresses reasonably foreseeable projects that may interact with development in the AUAR area.

a. Describe the geographic scales and timeframes of the project related environmental effects that could combine with other environmental effects resulting in cumulative potential effects.

The geographic scale of potential effects is assumed to be a one-mile radius of the AUAR area. The timeframe for full build-out of development in the GMA depends on how fast land is mined for aggregate and when developers want to construct projects. As to mining, how much and what land becomes available depends on both the market for aggregates and sequencing of mining. The market for aggregate is tied to the general economy. The

sequence of gravel mining responds to the natural randomness in location of varying raw aggregate products.

b. Describe any reasonably foreseeable future projects (for which a basis of expectation has been laid) that may interact with environmental effects of the proposed project within the geographic scales and timeframes identified above.

There are no changes since the 2017 Update.

c. Discuss the nature of the cumulative potential effects and summarize any other available information relevant to determining whether there is potential for significant environmental effects due to these cumulative effects.

The City presented mitigation measures necessary to address the cumulative impacts of developments within the GMA boundaries and past, present, and reasonable future projects outside the GMA in appropriate items in the 2010 Update. There are no changes since the 2017 Update. All of the cumulative impacts associated with known proposed development within the AUAR area have been accounted for within the responses to the EAW questions contained in this AUAR. There are no other anticipated cumulative impacts associated with the proposed development.

Appendix A - Figures

Figure 6-1. 2040 Comprehensive Plan Future Use Map - Maximum Development Scenario

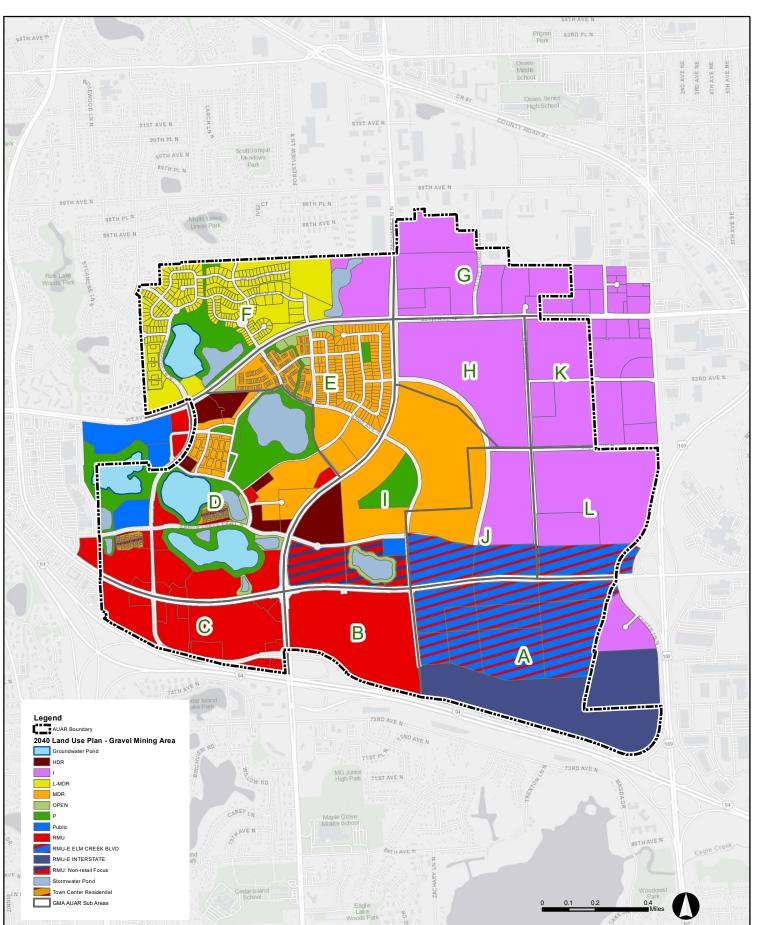


Figure 7-1. New Development Since 2017

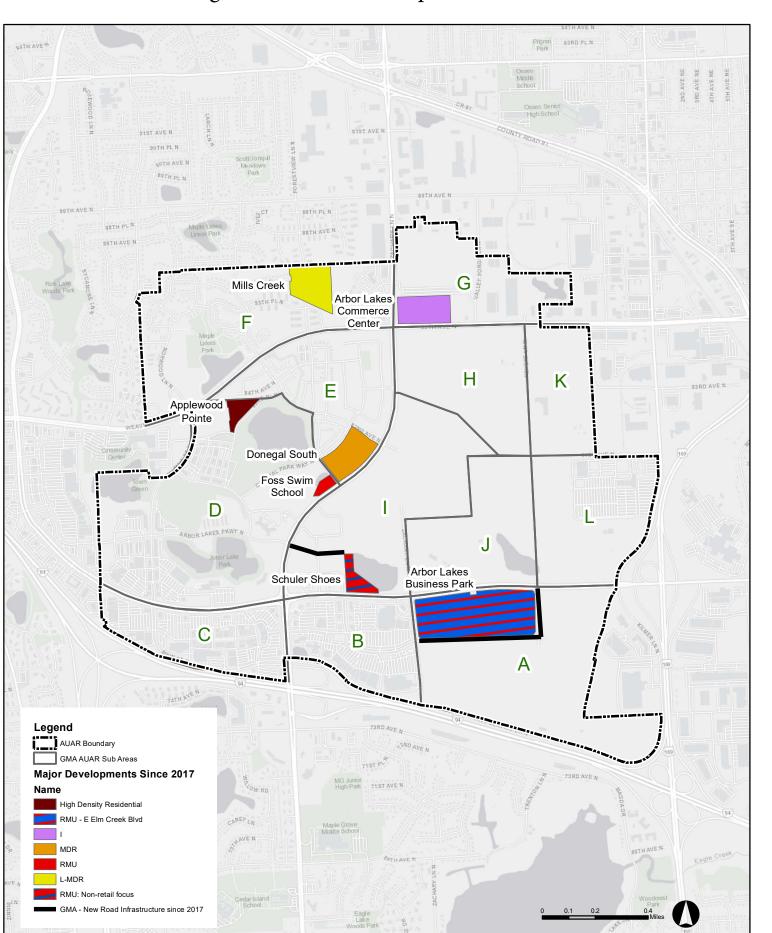


Figure 9-1. GMA Area South and GMA Area North Guidance

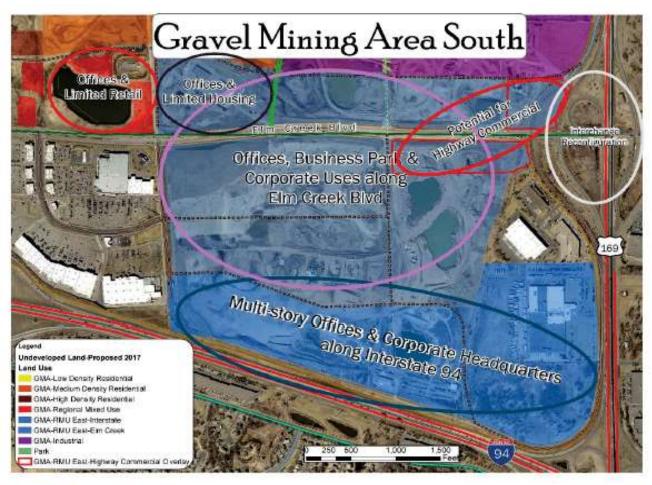
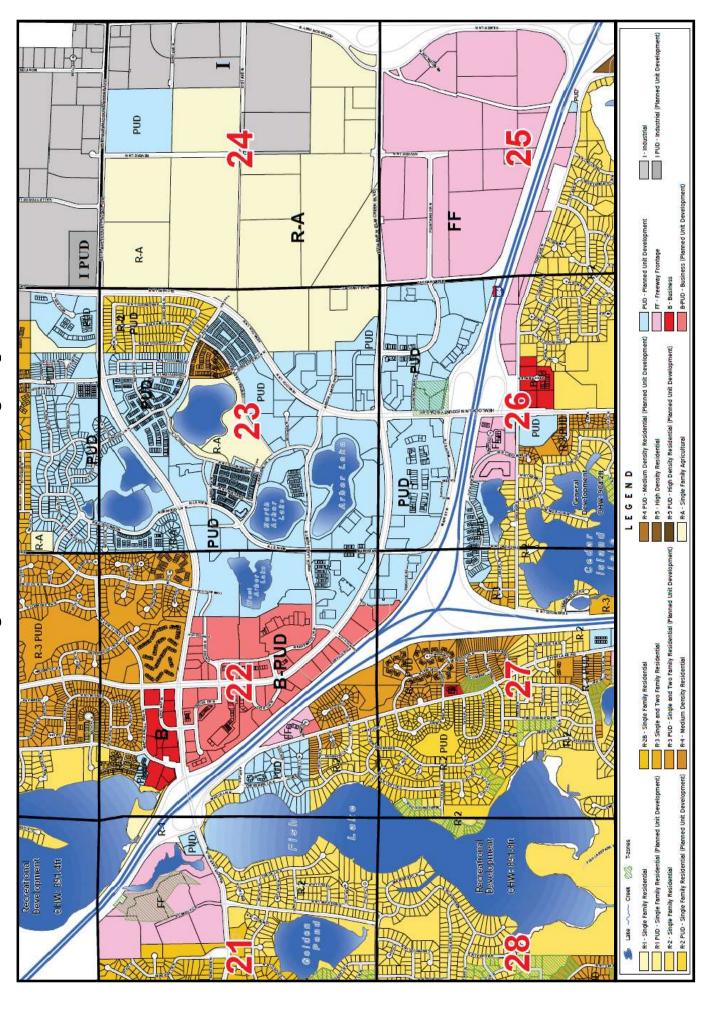
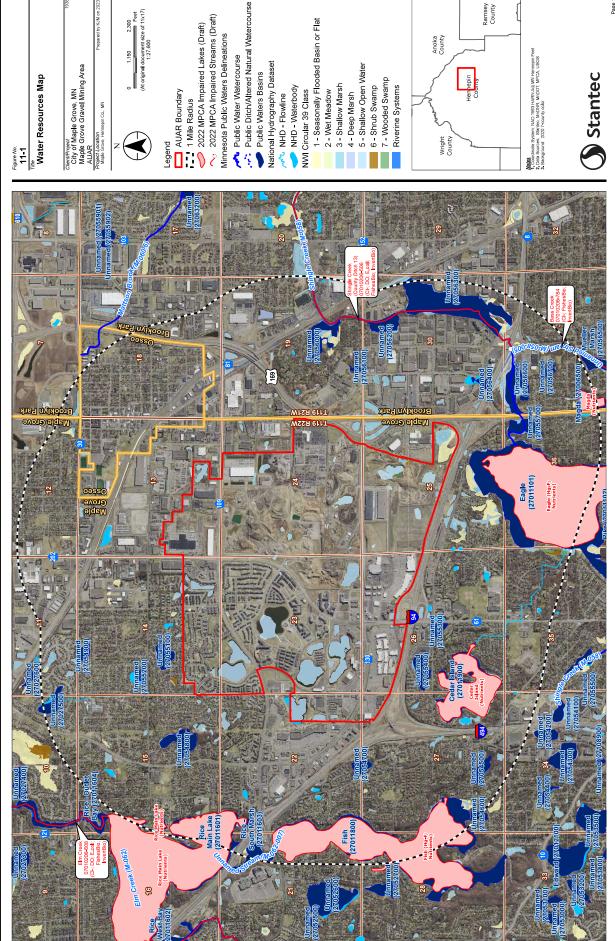




Figure 9-2. GMA Zoning Map





Ramsey County Anoka County Notes

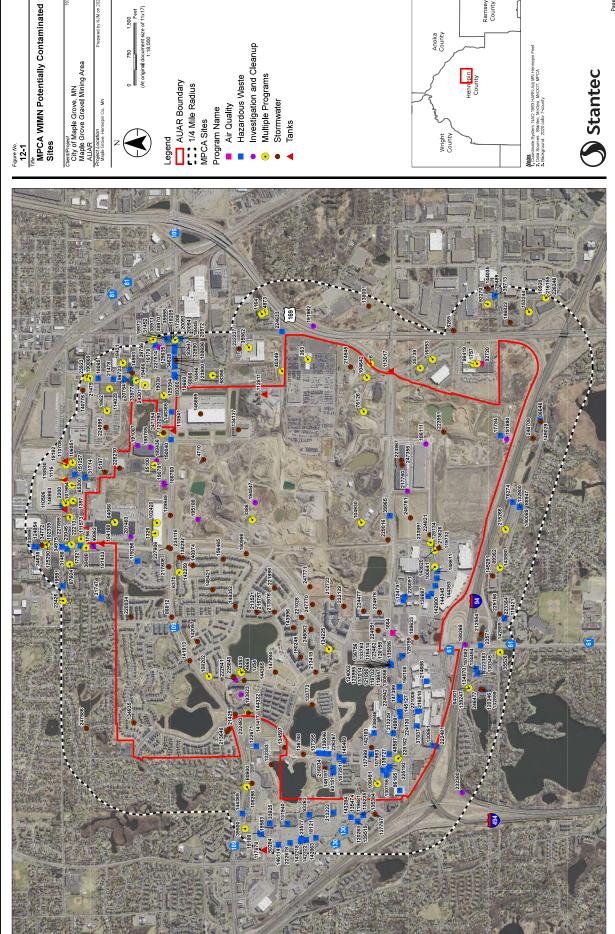
Coordinate System; NAD 1983 HARN Adj MN Hennepin F

Data Sources: Stanter, MnDNR, MnDOT, MPCA, USGS

Stackground; 2020 7-county color. 7 - Wooded Swamp Riverine Systems 6 - Shrub Swamp



Stantec



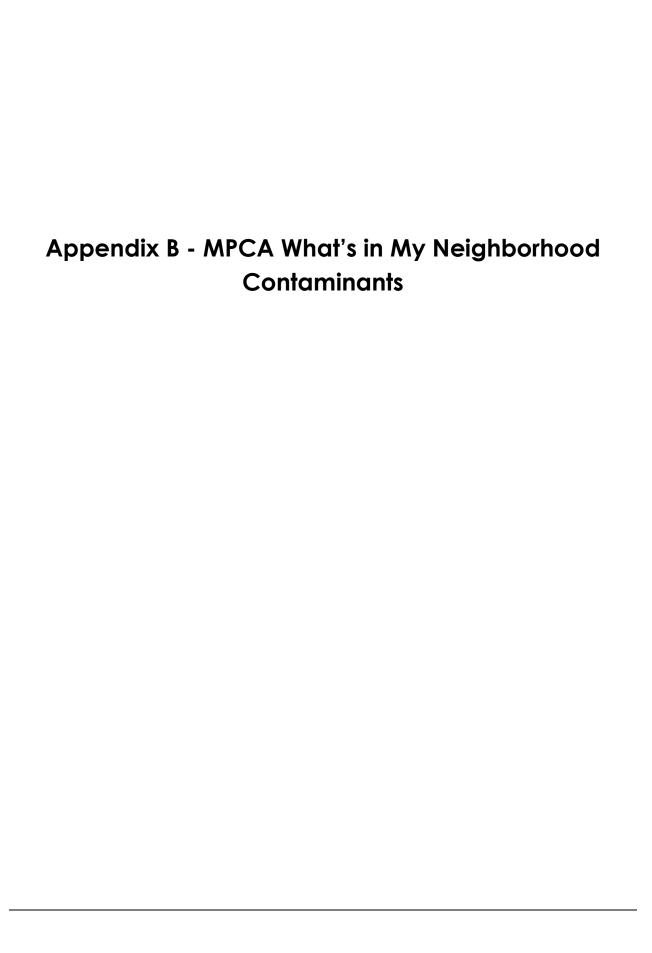
Investigation and Cleanup Multiple Programs Stormwater CherstProject
City of Maple Grove, MN
Maple Grove Gravel Mining Area
AUAR
Maple Grove Herengen Co., MN Program Name

Air Quality

Hazardous Waste Legend
AUAR Boundary
114 Mile Radius
MPCA Sites







OBLICTIO 18te, Id. name	we_flag address_street 12000 Elm Creek Blvd N Ste L20 10402 72rd Ave N	address_city address_s Maple Grove MN Maple Grove MN Osseo MN	state address_zip city county cong 55169 Maple Grove Hennepin 3 55169 Maple Grove Hennepin 3	district senate_district house, 24 340 24 340	district huc8 watershed_name 07010206 Mississippi River - Twin Ottes 07010206 Mississippi River - Twin Ottes	sides, und https://www.upp.pca.tates.mn.as/wirm/ubie/110005a https://www.upp.pca.tates.mn.as/wirm/ubie/110005a https://www.upp.pca.tates.mn.as/wirm/ubie/110005a https://www.upp.pca.tates.mn.as/wirm/ubie/110005a https://www.upp.pca.tates.mn.as/wirm/ubie/110005a https://www.upp.pca.tates.mn.as/wirm/ubie/110006a	activity Kazedour Waste Construction Stormwater
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5 186111 Barton Sand and Gravel-Lime Deposit Y 6 121000 Associated Oral & Musiliorisal Surgeons 7 140004 Downel Haddelson (Bassel) C913-17 9 19 19 19 19 19 19 19 19 19 19 19 19 19	See location description 12000 Elm Creek Blvd N Ste 235 Address Universes	Maple Grove MN Maple Grove MN Maple Grove MN		34 340 34 340 34 340	07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/186111 https://webapp.pca.state.mn.us/wimn/site/121090 https://webapp.pca.state.mn.us/wimn/site/140974	Brownfields, Voluntary Investigation and Chamup Hazardous Waste, Very small quantity generator Construction Stormwater Petroleum Remediation, Leak Site
5 1200A Associated of a Notine Science 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8736 Zachary Ln 8886 Valley Forge In N 8860 Zachary In N	Mayb Gross May	50300-4001 Maple Cove Hennepin 3	30 300 300 300 300 300 300 300 300 300	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.ms.us/wimn/site/191433 https://webapp.pca.state.ms.us/wimn/site/228230	Petroleum Remediation, Leak Site Construction Stormwater Multiple Activities
11 33458 Dimension industries Inc. Y 12 96773 Mania Group Pola Vard. N	8860 Zachary In N 8889 Zachary In N 8701 Monticello In N	Maple Grove MN Maple Grove MN Maple Grove MN	55169-4524 Maple Grove Hennepin 3 55169-4523 Maple Grove Hennepin 3 55169 Maple Grove Hennepin 3	34 340 34 340 34 340	07010206 Missinsippi River - Twin Cities 07010206 Missinsippi River - Twin Cities 07010206 Missinsippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/23046 https://webapp.pca.state.mn.us/wimn/site/31458 https://webapp.pca.state.mn.us/wimn/site/96723	Multiple Activities Hazardous Waste, Very small quantity generator Construction Stormwater
13 112811 Commercial Asphalt Co - Plant #904 Y 14 143218 PETCO Store 625 Y	1.001 Montrollio Lin N 1.0000 Bits 51 N 8000 Windgewood Lin 8701 Montrollio Lane North	Maple Grove MN Maple Grove MN		24 340 24 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pcs.state.mn.us/wimn/site/112811 https://webapp.pcs.state.mn.us/wimn/site/143218	Aboveground Tanks Hazardous Waste, Very small quantity generator
15 140776 Fleet Services Building N 16 148880 NYRO Inc Production Y 17 115474 Children' - Maple Grove Y	8701 Monticello Lane North 11400 73rd Ave N Ste 100 7767 Elm Creek Blid Ste 300	Maple Grove MN Maple Grove MN Maple Grove MN	55269 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 55369-5562 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/140776 https://webapp.pca.state.mn.us/wimn/site/143880 https://webapp.pca.state.mn.us/wimn/site/125474	Construction Stormwater Hazardous Waste, Small quantity generator Hazardous Waste, Minimal quantity generator
18 144322 Silver Creek on Main Y	8200 Main Street 12000 77th Ave N	Maple Grove MN Maple Grove MN	55145 Maple Grove Hennepin 1	24 340 24 340	07010206 Mississippi River - Twin Cities		
77 / 162.6 Aggregate anchorse Angus urous into 1 1 2 2 2 2 2 2 2 2	8752 Monticello Ln N	Maple Grove MN Maple Grove MN		34 340 34 340	O'0012006 Massingipi River - Twin Cities	When the control of t	Multiple Actions Controlled Tolled To
22 142322 Michael's Store 2752 Y 23 149352 Lakeview at Central Park 34 213419 Operation Descriptor 4 113419 Operation Descriptor	7980 Wedgewood Ln N Address Unknown 12000 Central Park Way	Maple Grove MN Maple Grove MN Marie Grove MN	55169 Maple Grove Hennepin 3 55169 Maple Grove Hennepin 3 55169 Marie Grove Hennepin 3	246 2460 2460 2460 2460 2460 2460 2460 2	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/142322 https://webapp.pca.state.mn.us/wimn/site/149352 https://webapp.pca.state.mn.us/wimn/site/149352	Hazardous Waste, Very small quantity generator Construction Stormwater Construction Stormwater
24 202420 Penigh Penighad 24 202420 Penigh Penighad 25 202420 Penigh Penighad 26 202420 Penigh Penighad 27 202420 Penigh Penighad 28 202420 Penigh Peni	7748 Main St N 9300 75th Ave N 7351 Dirtwood Ln N St 138 7365 Kirkwood Ct St e 135	Maple Grove MN Brooklyn Park MN	55269 Maple Grove Hennepin 3 55428 Brooklyn Park Hennepin 3	34 348 40 40A	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/120861 https://webapp.pca.state.mn.us/wimn/site/6265	Hazardous Waste, Very small quantity generator Construction Stormwater
27 120346 Boston Scientific Y 28 130345 FMCNA Maple Grove Y	7351 Kirkwood Ln N Ste 138 7355 Kirkwood Ct Ste 135	Maple Grove MN Maple Grove MN	55369-5219 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/120346 https://webapp.pca.state.mn.us/wimn/site/130345	Hazardous Waste, Very small quantity generator Hazardous Waste, Very small quantity generator
29 13/014 Institute for America Medicine - Lim Creek	736.5 in rivaco of C 18 e 135 13000 Em (rosk Bland 18 e 14 e 135 13100 Em (rosk Bland 18 e 14 e 14 e 14 e 15 e 15 e 15 e 15 e 15	Maple Grove MN		24 348 40 40A	OPISIONS Manalege Bere - Telen Client	https://webapp.pcastate.mn.us/wimn/site/216510 https://webapp.pcastate.mn.us/wimn/site/4873	Hazardous Waster, Nemmai quareny generator Hazardous Waste Multiple Activities
32 98419 LSC Communications MCL LLC Y 33 135384 Lasik Plus - Maple Grove Y	7401 Kilmer Ln N 7767 Elm Creek Blvd Ste 140	Maple Grove MN Maple Grove MN	55369-5677 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/98419 https://webapp.pca.state.mn.us/wimn/site/135384	Multiple Activities Hazardous Waste, Very small quantity generator
35 108506 Royal Vending N 35 128949 CP 109/0025 SP 027-709-021 etc N	9633 - 85th Ave N Address Unknown	Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	24 240 24 340 24 340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://webapp.pcastate.mn.us/wimn/site/108696 https://webapp.pcastate.mn.us/wimn/site/108696 https://webapp.pcastate.mn.us/wimn/site/129949	Construction Stormwater Construction Stormwater Construction Stormwater
37 263 Manheim - Minneapolis Auto Auction Y 38 35713 Advanced Membrane Technology Inc Y	8001 Jefferson Hwy 9401 73rd Ave N Ste 300	Maple Grove MN Brooklyn Park MN	55369 Maple Grove Hennepin 3 55428-1016 Brooklyn Park Hennepin 3	34 348 40 40A	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/263 https://webapp.pca.state.mn.us/wimn/site/25713	Multiple Activities Hazardous Waste, Very small quantity generator
	10400 Interstate Dr 12737 Elm Creek Blvd N 8350 Kirkwood I son	Maple Grove MN Maple Grove MN Maple Grove MN	55269-7045 Maple Grove Hennepin 1	34 340 34 340 14 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/191890 https://webapp.pca.state.mn.us/wimn/site/225192 https://webapp.pca.state.mn.us/wimn/site/225843	Brownfields, Voluntary Investigation and Cleanup Hazardous Waste, Very Investigation and Cleanup Hazardous Waste, Very Investigation and Cleanup Construction Stormwater
41. 225843 Appless cod Pointe of Maple Grove at Arbor Lakes Y 42. 125050 Midseart Appless Converted to 1 43. 18445 Specialized Engineered Services Inc. N 47. 1247-4375 Consultant Lid Mids Office Y	10939 89th Ave N 9620 85th Ave N	Maple Grove MN Osseo MN	55369 Maple Grove Hennepin 3 55369-4539 Maple Grove Hennepin 3	34 340 34 340	O7010206 Missinsippl River - Twin Clies O7010206 Missinsippl River - Twin Clies	https://webapp.pca.state.mn.us/wimn/site/110506 https://webapp.pca.state.mn.us/wimn/site/18446	Aboveground Tanks Hazardous Waste
44 70274 STX Consultarini Ltd Aglis Office Y 45 112791 Aglis Square Flat M With Y 46 150000 Concept 4th Addison Utility and Street Y 47 17274 Permist Truck Leinergica Lp N	10900 73rd Ave N Ste 150 13400 Grove Dr	Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/76274 https://webapp.pca.state.mn.us/wimn/site/117878	Hazardous Waste, Very small quantity generator Underground Tanks Construction Stormwater
46 150098 Donegal 4th Addition Utility and Street Y 47 17784 Penske Truck Leaving Co.Lp 48 100420 Hiller Transfer Y	Address Unknown 10400 Interstate Service Dr 8550 Zachary In	Maple Grove MN Maple Grove MN Maple Grove MN	55311 Maple Grove Hennepin 3 55369-5607 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 340 34 340 34 340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/150988 https://webapp.pca.state.mn.us/wimn/site/17784 https://webapp.pca.state.mn.us/wimn/site/102420	Construction Stormwater Hazardous Waste Multiple Activities
48 200420 Higher Transfer Y 49 248761 Arbor Lakes Building A 50 20093 North Country Huat & Fish Sport N N	10901 Elm Creek blvd 8619 Jefferson Hwy	Maple Grove MN Osseo MN	55369 Maple Grove Hennepin 3 55369-4501 Maple Grove Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/20093	Construction Stormwater Hazardous Waste
51 33977 Carbonal's Service Inc N 52 88947 'Utype Inc Y 53 18205 Sarviolat Manufacturing Inc N	8640 Monticello Ln N 10900 73nd Ave N Ste 116 8625 Jefferson Hwy	Osseo MN MN Muple Grove MN MN Muple Grove MN MN Muple Grove MN MN Muple Grove MN MN Muple Grove MN MUPLE MUPLE MUPLE MN Muple Grove MN MN MUPLE MN MN MN MUPLE MN MN MN MUPLE MN	55369-4547 Maple Grove Hennepin 1 55369-5400 Maple Grove Hennepin 1 55369-4501 Maple Grove Hennepin 1	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/33977 https://webapp.pca.state.mn.us/wimn/site/88947 https://webapp.pca.state.mn.us/wimn/site/18205	Hazandous Waste Hazardous Waste, Very small quantity generator Hazardous Waste
1.00.0	10533 89th Ave N 12000 Elm Creek Blvd N Ste 250	Maple Grove MN Maple Grove MN	55369-4041 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	24 340 24 340	ORISIODE Mississips flow – Teles Chies o CRISSIONE Assissips flow – Teles Chies ORISIODE Mississips flow – Teles Chies	https://webapp.pca.state.mn.us/wimn/site/65200	Multiple Activities Hazardous Waste, Very small quantity generator
56 126788 New Hennepin County Library - Maple Gr N 57 142097 Highgrow 2nd Addition Y	8001 Main St Weaver Lisk Rd & Forestriew Ln 8450 Revere Ln N 10085 89th Ave N	Maple Grove MN Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55311 Maple Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/136788 https://webapp.pca.state.mn.us/wimn/site/142097	Construction Stormwater Construction Stormwater Construction Stormwater
59 1982 AO Applit Contractors Inc 60 212554 SP 8825-508 Y	10285 89th Ave N	Maple Grove MN MN	53369 Majie Grove Hennepin 3 53311 Majie Grove Hennepin 3 63369 Majie Grove Hennepin 3 63000 Majie Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	tetp://weedop.pc.astate.ms.u/w/mvisig115000 https://weedop.pc.astate.ms.u/w/mvisig115700 https://webupp.pc.astate.ms.u/w/mvisig145007 https://webupp.pc.astate.ms.u/w/mvisig145007 https://webupp.pc.astate.ms.u/w/mvisig15112 https://webupp.pc.astate.ms.u/w/mvisig15112 https://webupp.pc.astate.ms.u/w/mvisig1512554 https://webupp.pc.astate.ms.u/w/mvisig15125554	Multiple Activities Construction Stormwater
61 215757 Waters Edge 2nd Addition Y 62 232129 The Reserve 3 Y	76 Address Unassigned	MAPLE GROVE MN Maple Grove MN	55369 Maple Grove Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/215757 https://webapp.pca.state.mn.us/wimn/site/232129	Construction Stormwater
63 1756 Garnett Satellite Information Network LLC Y 64 58366 Aspen Research Corp 7 65 64301 Symbology Y	8775 Zachary Ln N 8401 Jefferson Hwy 7351 Kirkwood Ln Ste 126	Maple Grove MN Maple Grove MN Maple Grove MN	5369 Maple Grove Hennepin 3 5369-4588 Maple Grove Hennepin 3 5369 Maple Grove Hennepin 3 5369 Maple Grove Hennepin 3	34 340 34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pcastate.mn.us/wimn/site/1756 https://webapp.pcastate.mn.us/wimn/site/58196 https://webapp.pcastate.mn.us/wimn/site/64101	Air Quality Multiple Activities Multiple Activities
60 2123145 9 2825-502 V	23. Auforn Liveragend 2772 Zahaya In B 8702 Zahaya In B 8802 Jefferson Hey 7531 Erkewood In Sea 126 1003 8500. Am W 1000 8514. Am W 11373 8500. Am W	Maple Grove MN Maple Grove MN			07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/118530 https://webapp.pca.state.mn.us/wimn/site/40349	Consistentia Connader Multiple Activities Multiple Activities Multiple Activities Multiple Activities Multiple Activities Activities Multiple Activities Activities Consistentia Multiple Multip
68 86822 Maple Lakes of Maple Grove Y 69 224633 Blooklyn Park Tramsfer Station and HMW 70 128737 Blooklyn Park Tramsfer Station and HMW	See location description 8300 Jefferson Hwy N Ste MDA625	Maple Grove MN Brooklyn Park MN	55369 Maple Grove Hennepin 3 55445-2310 Brooklyn Park Hennepin 3	34 348 40 40A	G7010206 Missinsippi River - Twin Oties G7010206 Missinsippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/86812 https://webapp.pca.state.mn.us/wimn/site/224633	Construction Stormwater Hazandous Waste
71 19591 Maple Grove Law Enfor Trng Fac Y 72 134791 Physicians Neck & Back Clinics - Maple Grove Y	11370 89th Ave N 11671 Fountains Dr Ste 200	Maple Grove MN Maple Grove MN	5545-2210 Brooklyn Park Hennepin 3 5545-2311 Maple Grove Hennepin 3 55310-3039 Maple Grove Hennepin 3 55309-3039 Maple Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/19591 https://webapp.pca.state.mn.us/wimn/site/134791	Hazardous Waste, Very small quantity generator Hazardous Waste, Very small quantity generator
74 16278 Noble Machine Inc N	Address Unknown 8575 Jefferson Hwy 8200 Main St N	Maple Grove MN Maple Grove MN	55369 Maple Grove Hensepin 3 553169-4502 Maple Grove Hensepin 3 55369-4502 Maple Grove Hensepin 3 55369 Maple Grove Hensepin 3 55369 Maple Grove Hensepin 3 55369 Maple Grove Hensepin 3	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/147984 https://webapp.pca.state.mn.us/wimn/site/16178	Hazandous Waste
75 34441 / Sovenzeel con Maan 9 7 76 246976 Restal Bulderio Con Maan 9 7 77 22213 Big Rip Reconditioning Inc 9 7 78 12023 Allan is leaded Magine Grown Clinic 9 7 81 20203 Allan is leaded Magine Grown Clinic 9 7 82 2020 Allan is leaded on 10 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	13802 Elm Creek Blvd N 10883 89th Ave N	Maple Grove MN Maple Grove MN	55369-7210 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/224976 https://webapp.pca.state.mn.us/wimn/site/22213	Multiple Activities Construction Stormwater Multiple Activities
78 12025 Allar Insubshibulogia Grove Clinic P	7840 Vinewood Ln N	Margis Grove	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 348 349 340 340 340 340 340 340 340 340 340 340	OTROLOGI- Mississippi River - Twin Cities OTROLOGI- Mississippi River - Twin Cities	$\label{eq:continuous} 100 pt (100 pt continuous) and a parameter and a parameter (100 pt continuous) and a parameter (100 pt continuous)$	Multiple Activities Hazardous Waste, Very small quantity generator Construction Stormwater
82 28756 Accurate Auto & Tire Services Inc Y	8757 Jefferson Hwy Ste 1, 2 & 3	Maple Grove MN Maple Grove MN Osseo MN	55369-4523 Maple Grove Hennepin 3 55311 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	24 340 24 340 24 340		https://webapp.pca.state.mn.us/wimn/site/80800 https://webapp.pca.state.mn.us/wimn/site/216834 https://webapp.pca.state.mn.us/wimn/site/28756	Industrial Stormwater Construction Stormwater Multiple Activities
83 148863 Ravenworks LLC Y 84 191982 Mccrossan C5 Inc Y	10900 89th Ave N Ste A	Maple Grove MN Maple Grove MN Maple Grove MN	55110 Maple Grove Hensepin 3 55109 Maple Grove Hensepin 3 55109 Maple Grove Hensepin 3 55109 Maple Grove Hensepin 3 55109-7033 Maple Grove Hensepin 3 55109-7037 Maple Grove Hensepin 3	34 348 24 348 40 45A 24 346 24 346 24 346 24 346	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/148863 https://webapp.pca.state.mn.us/wimn/site/191982	Hazardous Waste CERCUS Site
#5 214686 LensCraften #1624 Y #6 34638 Detail Tool & Engineering Inc N #2 134692 Monit Grove Town Green Y	1211 Elm Creek Blvd N 9560 Bish Ave S See location description	Maple Grove MN Osseo MN Maple Grove MN	55369-7093 Maple Grove Hennepin 3 55369-4507 Maple Grove Hennepin 3 55369 Mario Cross	24 340 24 340 24 340	07010206 Mississippi River - Twin Otles 07010206 Mississippi River - Twin Otles 07010206 Mississippi River - Twin Otles	https://webapp.pca.state.mn.us/wimn/site/214686	Hazardous Waste, Very small quantity generator Hazardous Waste
BB 1862 Xed Energy - Maple Grove Service Center Y 89 2376G Donegy Surfu Utility in provements Y	8701 Monticello Ln N	Description	May Comp. Images May Com			New York Control of Co	Combination Continueder Machigine Activities Machigine Activities Haandhou Warek, Very mind quantity generator Haandhou Warek, Very mind quantity generator Haandhou Warek Haandhou Warek Haandhou Warek Haandhou Warek Warek Warek Haandhou Warek Combination Continueder Combination Continueder Advantagement Advan
Bit 1862 Xeel Energy - Maple Grow Service Center Y 1862 Xeel Energy - Maple Grow Service Center Y 1872 Xeel Energy - Maple Grow Service Center Y 1872 Xeel Energy - Maple Grow Y 1874 Xeel Energy - Maple Grow Y 1874 Xeel Energy - Xe	8774 Manticello Ln N 9530 85th Ave N 1290 73rd Ave N	Magia Grove MN Magia Mrove MN Magia Mrove MN Magia Mrove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 36 36 36 36 36 36 36 36 36 36 36 36 36	GEOLOGIA Manager flow ** Two Claim GEOLOGIA Manager	https://webapp.pca.state.mn.us/wimn/site/18085 https://webapp.pca.state.mn.us/wimn/site/129635	Hazardous Waste, Very small quantity generator Hazardous Waste, Very small quantity generator Machine and Minister
	11960 73rd Ave N 8030 Wedgewood Ln 12000 Elm Creek Blvd N Ste 130	Maple Grove MN Maple Grove MN Marie Grove MN	55369-5223 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 55369-7074 Marie Grove Hennepin 3	34 340 34 340 14 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/35526 https://webapp.pca.state.mn.us/wimn/site/93262 https://webapp.pca.state.mn.us/wimn/site/134002	Multiple Activities Hazardous Waste Hazardous Waste
93 93282 Garder Mountain 401 N 94 124002 North Memorial Health Clinic-Arbor Lakes Y 95 33825 Cult Foods 1000 Y 95 33825 Cult Foods 1000 Y 95 232227 GAP Site Improvements Y	B150 Wedgwood In N B175 Jefferson Hwy Jefferson Blud 12000 Elm Creek Blud N Ste 350	Maple Grove MN Maple Grove MN	55369-9400 Maple Grove Hennepin 3 55369-920 Maple Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/33825 https://webapp.pca.state.mn.us/wimn/site/232227	Hazardous Waste, Very small quantity generator Construction Stormwater
97 113017 Hardrives Inc N 98 128155 Midwest Center for Repro Health Y	Jefferson Blvd 12000 Elm Creek Blvd N Ste 350	Osseo MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369-7076 Maple Grove Hennepin 3	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/113017 https://webapp.pca.state.mn.us/wimn/site/128155	
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102 144345 Homegoods - Maple Grove Y 103 157082 Twin Cities Pain Clinic - Maple Grove Y	13481 Fountains Dr 7382 Kirkwood Ct N	Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369-5270 Maple Grove Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/144345 https://webapp.pca.state.mn.us/wimn/site/157082	Hazardous Waste, Very small quantity generator Hazardous Waste
104 191807 Osero/Maple Grove Pay Dump 105 222283 Hogue Clinics Y 105 222383 Hogue Clinics Y Y Y Y Y Y Y Y Y Y Y Y Y	See location description 7365 Kirkwood Ct N See 120 See location description	Maple Grove MN Maple Grove MN Marie Grove MN	55169 Maple Grove Hennepin 3 55169-4781 Maple Grove Hennepin 3 55169 Marie Grove Hennepin 3	34 340 34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/191087 https://webapp.pca.state.mn.us/wimn/site/222383 https://webapp.pca.state.mn.us/wimn/site/222383	Site Assessment Hazardous Waste, Very small quantity generator Patrolaum Bernadistrion Leak Site
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109 119356 Richard K Welmar DOS Y 110 190809 Hagemann Beröhen Co Y 111 100809 Hagemann Revolution	11256 88th Ave N 8820 Monticello Ln 9401 73rd Ave N Ste 200	Maple Grove MN Maple Grove MN Brooklyn Park MN	55169 Maple Grove Hennepin 3 55169 Maple Grove Hennepin 3 55428 Brooklyn Park Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/119256 https://webapp.pca.state.mn.us/wimn/site/190869 https://webapp.pca.state.mn.us/wimn/site/190869	Hazardous Waste, Very small quantity generator Petroleum Remediation, Leak Site Hazardous Waste
125200 Nation New York	8984 Zachary In N 12201 Elm Creek Blvd	Maple Grove MN Maple Grove MN	55369-4018 Maple Grove Hennepin 3 55369-7092 Maple Grove Hennepin 3	24 340 24 340	07010206 Mississippi River - Tein Cities 07010206 Mississippi River - Tein Cities 07010206 Mississippi River - Tein Cities	https://webapp.pca.state.mn.us/wimn/site/34772 https://webapp.pca.state.mn.us/wimn/site/158106	Multiple Activities Hazardous Waste, Very small quantity enerator
114 222678 PANLESS SHOT STORE - #1093 Y 115 18660 Smith Winner Products N 116 125300 Jewelfer Corp N	8056 Wedgwood Ln N 9664 85th Ave N	Maple Grove MN Maple Grove MN Maple Grove MN	55369-9406 Maple Grove Hennepin 3 55369-4516 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 340 34 340		https://webapp.pca.state.mn.us/wimn/site/222678 https://webapp.pca.state.mn.us/wimn/site/19669	Hazardous Waste, Very small quantity generator Hazardous Waste
117 221008 Express 776 Y 118 19038 MGS Machine Corpration Y	8980 Zachury In N 13411 Elm Creek Blvd N Spc A26 9900 85th Ave N	Maple Grove MN Maple Grove MN	55369-7091 Maple Grove Hennepin 3 55369-4533 Maple Grove Hennepin 3	24 340 24 340	O7010206 Mississippi River - Twin Ottes O7010206 Mississippi River - Twin Ottes O7010206 Mississippi River - Twin Ottes O7010206 Mississippi River - Twin Ottes	https://webupp.pcastate.mn.us/wimn/site/221008 https://webupp.pcastate.mn.us/wimn/site/221008 https://webupp.pcastate.mn.us/wimn/site/19038	Hazandous Waste Hazandous Waste, Very small quantity generator Multiple Activities
119 37837 Commercial Asphalt Co - Plant 4 N 120 40862 Progressive Contractors Inc N	13420 County Road 130 8736 Zachary Ln N	Magle Grove MN	55369 Maple Grove Hennepin 3 55369-4526 Maple Grove Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/37837 https://webapp.pca.state.mn.us/wimn/site/40862	Hazardous Waste Hazardous Waste
121 108533 Kiein Bank N 122 227695 Light Industrial Building Y 123 223697 After Lakes Builenss Park Y	11850 Fountains Way 10883 89th Avenue North Maple Grove, MN 55369	Osseo MN Maple Grove MN Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 340 34 340 34 340 34 340 34 340 34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/108633 https://webapp.pca.state.mn.us/wimn/site/227695 https://webapp.pca.state.mn.us/wimn/site/223967	Construction Stommuster Brownfields, Voluntary Investigation and Cleanup Construction Stommuster
124 141913 Higherous 3rd Addition Y	Weaver Lake Rd & Jonquil Ln N 11121 Fountains Drive North 12358 Grove Dr	Maple Grove MN		34 340 34 340		https://webapp.pca.state.mn.us/wimn/site/141913 https://webapp.pca.state.mn.us/wimn/site/213626 https://webapp.pca.state.mn.us/wimn/site/19583	Construction Stormwater Construction Stormwater
22 228056 Feeling Credit Union	12750 Elm Creek Blvd N	Maple Grove MN Maple Grove MN	Maple Grove Hensepin 2	34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/19583 https://webapp.pca.state.mn.us/wimn/site/107963	Hazardous Waste Hazardous Waste, Hazardous Waste, Very small quantity generator
1.00 140137 Vent-Solutions	12680 Arbor Lakes Pkwy 8075 Foestwiew Lane N 9500 80th Aversan North 12745 Elm Creek Blud N	Maple Grove MN Maple Grove MN Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	24 240 24 340 24 340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://webapp.pcastate.mn.us/wimn/site/221026 https://webapp.pcastate.mn.us/wimn/site/221026 https://webapp.pcastate.mn.us/wimn/site/227514	Construction Stormwater
131 139727 Nordstrom Inc 271 Y 132 38971 Master Matic Inc Y	8657 Jefferson Highway	Mogle Grove Mogle Crove Mogle Crove Mogle Crove Mogle Grove Mogle Mogle Grove Mogle	55369-7045 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 346 34 346	OPISIONS Mississips flow – Twin Chies or OPISIONS Mississips flow – Twin Chies	retp://weedop.pc.atate.mr.nu/wirm/sity/2006 https://webop.pc.atate.mr.nu/wirm/sity/2006 https://webop.pc.atate.mr.nu/wirm/sity/2006 https://webop.pc.atate.mr.nu/wirm/sity/201006 https://webop.pc.atate.mr.nu/wirm/sity/201006 https://webop.pc.atate.mr.nu/wirm/sity/201014 https://webop.pc.atate.mr.nu/wirm/sity/201014 https://webop.pc.atate.mr.nu/wirm/sity/201014	Multiple Activities Hazardous Waste, Very small quantity generator Hazardous Waste Hazardous Waste, Very small quantity generator
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138 90105 Best Bay Store 329 Y 139 222481 MENS WEARHOUSE INC 4110 Y 140 14051 Start Violety Y	12905 Dim Creek Blvd N 7745 Main St N 7550 Maridian Cir N Ste 100	Maple Grove MN Maple Grove MN Marie Grove MN		24 346 24 346	OTOLOZOS Mississippi River - Tarin Clies	https://webapp.pca.state.mn.us/wimn/site/96165 https://webapp.pca.state.mn.us/wimn/site/222481 https://webapp.pca.state.mn.us/wimn/site/16653	Hazandous Waste, Minimal quantity generator Hazandous Waste, Very small quantity generator Multitule Artistics
141 18519 Courage Kenny Sports & Physical Therapy Center MG Y 142 185235 Dr Veneta Laganis DOS MS Y	7840 Vinewood Ln Ste A 7767 Elm Creek Blvd Ste 110	Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	24 340 24 340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/139519 https://webapp.pca.state.mn.us/wimn/site/135225	Hazardous Waste, Minimal quantity generator Hazardous Waste, Very small quantity generator
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146 196547 Sonny Link Dump Y 147 122071 LifeTime Fitness - Maple Grove Y	See location description 12600 82nd Ave N	Maple Grove MN Maple Grove MN		24 340 24 340	07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/194547 https://webapp.pca.state.mn.us/wimn/site/194547 https://webapp.pca.state.mn.us/wimn/site/1226162 https://webapp.pca.state.mn.us/wimn/site/1226162	Site Assessment Hazardous Waste, Very small quantity generator
148 238162 Banfeld Pet Hospital Y 149 248062 Bottineau Ridge III Apartments Y 150 2200 Batton Sand & Gravel Co- Nonnetallic Y	7845 Main St N 11700 80th Ave N 10633 89th Ave N	Maple Grove MN Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 348 34 348	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/228162 https://webapp.pca.state.mn.us/wimn/site/248062	Multiple Activities Construction Stormwater Multiple Activities Construction Stormwater
151 138081 Law Enforcement and Criminal Justice N 152 226246 NCI, INC Y	9110 Brooklyn Blud 7125 Northland Ter N Ste 100	Maple Grove MN Maple Grove MN Brooklyn Park MN Brooklyn Park MN	55445 Brooklyn Park Hennepin 3 55428-1535 Brooklyn Park Hennepin 3	34 348 34 348 40 40A 40 40A	C7010206 Mississippi River - Twin Cities C7010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wim/usin/248062 https://webapp.pca.state.mn.us/wim/usin/2200 https://webapp.pca.state.mn.us/wim/usin/128081 https://webapp.pca.state.mn.us/wim/usin/226246	Hazardous Waste, Very small quantity generator
153 23900 Qx inc Y 154 33999 Chamcraft Sadolin Ltd N 155 13991 Particular Sanik Dentitor PA Y	9600 85th Ave N 8984 Zachary Ln N	Osseo MN Maple Grove MN	55369-4539 Maple Grove Hennepin 3 55369-4018 Maple Grove Hennepin 3	34 340 34 340 34 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/23900 https://webapp.pca.state.mn.us/wimn/site/33999 https://webapp.pca.state.mn.us/wimn/site/119421	Hazardous Waste Hazardous Waste
156 129799 Jared the Galleria of Jewelry - Maple Grove Y	7270 Forestview Ln Ste 250 12905 Elm Creek Blvd N 10950 85th Ave N	Maple Grove MN Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3	34 340 34 340 14 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/119421 https://webapp.pca.state.mn.us/wimn/site/129799 https://webapp.pca.state.mn.us/wimn/site/247154	Hazardous Waste, Very small quantity generator Hazardous Waste, Minimal quantity generator
157 20134 Loow 1 for Supply Minnespolis (march 131 Y	12000 Elm Creek Blvd N Ste 220	Maple Grove MN	55369 Maple Grove Hennepin 3	34 340	07010205 Mississippi River - Tein Oties		
160 111573 Brooklyn Trucking N 161 11376 Alled Blackton	8775 Zachary Ln	Maple Grove MN	55169 Maple Grove Hennepin 1	34 340	07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/123995 https://webapp.pca.state.mn.us/wimn/site/38498	Multiple Activities Hazardous Waste, Very small quantity generator Multiple Activities
162 114029 Xori Energy Maple Grove Service Center Y	8775 Zachary Ln 8812 Zachary Ln 10503 Bith Ave N	Maple Grove MN Maple Grove MN Maple Grove MN Maple Grove MN	55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 55369 Maple Grove Hennepin 3 553111 Maple Grove Hennepin 3	24 340 24 340 24 340 24 340	07010206 Mississippi River - Twin Oties	http://webapp.pca.state.ms.us/wims/site/122095 http://webapp.pca.state.ms.us/wims/site/18498 http://webapp.pca.state.ms.us/wims/site/11373 http://webapp.pca.state.ms.us/wims/site/11370 http://webapp.pca.state.ms.us/wims/site/114029	Hazardous Waste, Very small quantity generator Multiple Activities Multiple Activities Multiple Activities
162 114039 Xeal Energy Maple Grove Service Center Y 163 146039 Conventus Orthopsedox, Inc. Y	8775 Zachary Ln 882 2 Zachary Ln 10000 Right Ave N 8701 Monticello Ln 10000 73rd Ave North Ste 122 12500 Elm Creek Blud N	Maple Grove MN	53169 Mapis Grove Hennepin 3 53169 Mapis Grove Hennepin 3 53169 Mapis Grove Hennepin 3 53111 Mapis Grove Hennepin 3 Mapis Grove Hennepin 3 53169 Mapis Grove Hennepin 3 53169-7050 Mapis Grove Hennepin 3	24 340 24 340 24 340 24 340 24 340 24 340 24 340	07010206 Mississippi River - Twin Oties	http://webupp.pca.tate.mv.us/wim/his/12095- http://webupp.pca.tate.mv.us/wim/his/34608- http://webupp.pca.tate.mv.us/wim/his/31508- http://webupp.pca.tate.mv.us/wim/his/11576- https://webupp.pca.tate.mv.us/wim/his/11570- https://webupp.pca.tate.mv.us/wim/his/14000- https://webupp.pca.tate.mv.us/wim/his/14000- https://webupp.pca.tate.mv.us/wim/his/14000- https://webupp.pca.tate.mv.us/wim/his/14000- https://webupp.pca.tate.mv.us/wim/his/14000- https://webupp.pca.tate.mv.us/wim/his/14000- https://webupp.pca.tate.mv.us/wim/his/14000- https://webupp.pca.tate.mv.us/wim/his/14000-his/his/his/his/his/his/his/his/his/his/	Hazardous Waste, Very small quantity generator Multiple Activities Multiple Activities Multiple Activities
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10 1100	### Committee	Marie Green		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	STEEDER Manners Rav - Two Child STEEDER MAN - Two Chil	New York Control (1997) and the mean Annual Proceedings of the Control (1997) and the Contr	Mannish Maria, Very and quarting generated belongs to desire the control of the c
10 1100 Staff long Staff Storm for a Center	ETT-Modes for the Control of the Con	March Comp.	March Marc	1	STEEDER Manners Rav - Two Child STEEDER MAN - Two Chil	The control of the co	Mannish Kimik. Vey read quarting person and Malaying Activates (Malaying Activates (Ma
150 150	1971 School price 1972 S	March Comp.	March Marc	24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	STEEDER Manners Rav - Two Child STEEDER MAN - Two Chil	The control of the co	Intention book make, Very used quantity generated soldings Actions with the property of the pr
150 150	ETT-Machinery to 1200-1200-1200-1200-1200-1200-1200-1200	Maybr Grant Maybr	Marie Comp. Internet 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	STEEDER Manners from "Two Colleges" (1997) and "Two Colleges" (1997) a		Mannish Minish. Very used quarting generated schools of the control of the contro
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150 150	1971 School price 1972 S	Marie Come Mar	Marie Comp.	1	STEEDER Manners from "Two Colleges" (1997) and "Two Colleges" (1997) a		Manchino Manika, Voys and quantity generated Manifesty in Activates and
150 150	### 1750 ###	Mayb Grant May	Marie Comp.	1	STEEDER Manners from "Two Colleges" (1997) and "Two Colleges" (1997) a		Manchino Manika, Voys and quantity generated Manifesty in Activates and
150 150	### 1750 ###	March Comp.	Marie Comp.	1	STEEDER Manners from "Two Colleges" (1997) and "Two Colleges" (1997) a		Manchino Manika, Voys and quantity generated Manifesty in Activates and
150 1100 500 ml may gloup chosen for a Center 1	EST-Scholars (or Month of the Control of the Contro	March Comp.	Marie Comp.	1	CHIESTON		Mannish Kimith, Very and quartity generated belief of the control
150 150	1971 School on 1972 S	Mayb Grant May	Marie Comp.	1	CHIESTON		Mannish Kimith, Very and quartity generated belief of the control
150 150	1971 Medical price of the Control of	Maybr Grave 100 Maybr Grave 10	Marie Comp.	1	CHIESTON		Mannish Konkin, Very and quartity generated beliaging Actions (Audio) in Actions (Audio)
15 1500 See Form	### Committee Co	March Comp.	March Marc	1	CHIESTON		Mannish Kimith, Vary and quartity generated belief of Notices (Aug. 1997). A second se
150 150	### Comment of the Co	March Cont.	March Marc	30 300 300 300 300 300 300 300 300 300	STATE Color Colo	New York Control of the Control of t	Intention book mich. Very und quartity generater Michigh Activities Mi
15 1500	### Committee Co	March Control March Contro	March Marc	1	CHIESTON	New York Control of the Control of t	Mannish Kimit, Vey med questing personant Marijan Kalisten Marijan Mar
15 1500 See From	### Committee Co	March Comp.	March Marc	1	STEECE Manage Mar - 100 CDB	New York Control of Co	Manches Mental, Very und quarting generater (Marches Manches) (Marches Manches
150 150	### Committee Co	March Cont.	March Marc	1	STEECE Manage Mar - 100 CDB	New York Control of Co	Intention book mich. Voy used quarting generater before the control of the contro
15 1150 11	### Company of the Co	March Control March Contro	March Marc	1	STEECE Manage Mar - 100 CDB	New York Control of Co	Mannish Kimit, Very and quartity generated belief of the class of the
15 1150 11	### Company of the Co	March Common Marc	March Marc	1	CHIESTON	New York Control of Co	Mannish Roshi, Very and quarting generater (Audige Activates (Audige
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15 1150 11	### Committee Co	Mayb Company Mayb	March Marc	1	CHIESTON	New York Control of Co	Mannish Kimit, Very and quartity generated soliday in Activities (Audion School) and Activities (Audion Activit
15 1150 11	### Committee Co	March Control March Contro	March Marc	1	CHIESTON	New York Control of Co	Mannish Kimit, Very and quartity generated soliday in Activities (Audion School) and Activities (Audion Activit
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150 150	### Committee Co	March Control March Contro	1966 1966	1	CHIEF CHIE	The company of the co	Mannish Kimit, Very and gunting personal Mannish Kimit, Very and guntin
15 1500 15	### Company of the Co	Mayer Maye	1965 1965 1966	34 346 24 346 34 346 24 346 24 346 24 346 24 346	CHIESTON	New York Control (1997) And Cont	Amonthon Sensit, Voyce of general gene

257 1845 Mueller Machine Inc	Y	8587 Jefferson Hwy	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/18445	Hazardous Waste
258 87604 Timesavers Inc	Y	11123 89th Ave N	Maple Grove	MN		Maple Grove	Hennepin 3	24	348	07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/87604	Multiple Activities
259 119847 Allengy & Authma Care PA	Y	12000 Elm Creek Blvd N Ste 360	Maple Grove	MN		Maple Grove	Hennepin 3	34 34	340	07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/119847	Hazardous Waste Multiple Arthibias
260 3385 Ames Construction - Colline Pit 261 23571 Wone Fu DOS PA	Y	County Road 109 7200 Hernlock Ln N	Maple Grove Maple Grove	MN		Maple Grove Maple Grove	Hennepin 3 Hennepin 3	34 34	340 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webspp.pca.state.mn.us/wimn/site/2386 https://webspp.pca.state.mn.us/wimn/site/23571	Multiple Activities Hazardous Waste, Very small quantity eenerator
262 13454 Cedar Island Dental		7378 Krkwood Ct	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://websop.pcastate.mn.us/wimn/site/13454	Hazardous Waste, Very small quantity generator Hazardous Waste, Very small quantity generator
262 134654 Catal Haind Dental 263 142183 CSAH 34- Beebe Lake Road Trail		Address Uninces	Saint Michael	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://websop.pca.state.mn.us/wimn/site/142183	Construction Streemaster
264 188760 Barton Send and Gravel	÷	See Incetion description	Magle Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/188760	Multiple Arthritis
265 14593 Strommen Engineering Corp	÷	9760 BOth Ave N	Magle Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/14593	Hazardous Waste, Very small quantity generator
266 128124 Banfeld Pet Hospital - Maple Grove	÷	11200 Fourtains Dr N	Magle Grove	MN	55169	Manie Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/128134	Hazardous Waste, Minimal quantity generator
267 137989 Elm Creek Dental	v	7870 Main St N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Ottes	https://websop.pca.state.mn.us/wimn/site/137989	Hazardous Waste, Very small quantity generator
268 142889 American Laser Skincare - Maple Grove	Ý	7270 Forestylew Ln Ste 175	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Ottes	https://websop.pca.state.mn.us/wimn/site/142889	Hazardous Waste
269 146114 Chuck & Don's Pet Food Outlet	Y	8115 Wednwood Ln N Ste 1	Maple Grove	MN	55169-9401	Maple Grove	Hennepin 3	24	349	07010206 Mississippi River - Twin Cities	https://websop.pcastate.mn.us/wimn/site/146114	Hazardous Waste, Minimal quantity generator
270 144035 Steinwall Inc.	Y	9224 73rd Ave N	Brooklyn Park	MN	55428	Brooklyn Park	Hennepin 3	40	40A	07010206 Mississippi River - Twin Cities	https://websop.pcastate.mn.us/wimn/site/144035	Industrial Stormwater
271 1254 Wyatt Ready Mix - Maple Groye/Osseo	N	11500 County Road 109	Maple Grove	MN	55169-6814	Maple Grove	Hennepin 3	24	349	07010206 Mississippi River - Twin Cities	https://websop.pcastate.mn.us/wimn/site/1254	Air Quality
272 10920 Northland Business Center II	N	7125 Northland Ter N	Brooklyn Park	MN		Brooklyn Park	Hennepin 3	40	40A	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/10920	Multiple Activities
273 221899 Donegal South	Y		Maple Grove	MN	\$5169	Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/221899	Construction Stormwater
274 4710 AVR Inc - Maple Grove Plant	Y	10301 County Road 109	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/4710	Industrial Stormwater
275 234118 Arbor Lakes Corporate Center Area Street & Utility	Y	Zachary Lane and Weaver Lake Road	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/234118	Construction Stormwater
276 6370 Cernstone Products Co - Maple Grove	Y	11600 County Road 109	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/6370	Multiple Activities
277 123462 Endodontic Professionals - Maple Grove	Y	12000 Elm Creek Blvd N Ste 240	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/123462	Hazardous Waste, Very small quantity generator
278 132353 Maple Grove North Shore Path	Y	See location description	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/132353	Construction Stormwater
279 190781 Barton Sand & Gravel	Y	County Road 109 & Union Terrace	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/190781	Brownfields, Petroleum Brownfield
280 49881 Abercrombie & Fisch - Maple Grove 281 125394 Oakdale Obstetrics & Gynecology - Maple Grove	Y	12415 Elm Creek Blvd 9825 85th Ave Ste 205	Maple Grove Maple Grove	MN		Maple Grove Maple Grove	Hennepin 3 Hennepin 3	34 34	340 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webspp.pca.state.mn.us/wimn/site/49881 https://webspp.pca.state.mn.us/wimn/site/125394	Hazardous Waste Hazardous Waste, Very small quantity generator
282 146365 Wurth Adams - Headquarters		10100 85th Ave N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://websop.pcastate.mn.us/wimn/site/146365	Hazardous Waste, very small quartery generator Hazardous Waste
282 14085 Worth Adams - Headquarters 283 142863 Bed Bath & Bevond 456		7950 Wederwood Ln N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://websop.pcastate.mn.us/wimn/site/142863	
284 216155 Excel Plantics - Brooklyn Park		7125 Northland Ter N Ste 200	Brooklyn Park	MN		Brooklyn Park	Hennepin 3	40	40A	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://websop.pca.state.mn.us/wimn/site/216155	Hazardous Waste, Very small quantity generator Hazardous Waste, Minimal quantity generator
285 226267 GROVE DENTIST PA	÷	7016 Main 9 N	Magle Grove	MN		Manie Group	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/226267	Hazardous Waste, Very small quantity generator
286 143996 Sloves at Arbor Lakes Utility and Street	÷	Address Unknown	Magie Grove	MN		Manie Grove	Hennepin 3	24	340	07010205 Mississippi River - Tein Cities	https://webapp.pca.state.mn.us/wimn/site/143996	Construction Stormwater
287 213222 Pier 1 Imports # 0574	÷	7900 Wednwood Ln	Magle Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/213222	Hazardous Waste
288 134225 Arbor Lakes Senior Livine	N	12000 Bitch Ave N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Ottes	https://websop.pca.state.mn.us/wimn/site/134225	Multiple Activities
289 220934 MILLS CREDKSTREET AND UTILITY IMPR	Ÿ		Maple Grove	MN	55311	Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Ottes	https://webaop.pca.state.mn.us/wimn/site/220934	Construction Stormwater
290 223364 Twin Cities Pain Clinic	Y	7270 Forestview Ln N Ste 100	Maple Grove	MN	\$5369-5555	Maple Grove	Hennepin 3	34	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/223364	Hazardous Waste, Very small quantity generator
291 229156 2019-03: 73rd Ave and Arbor Lakes Parkway Street Reconstruction	Y		Maple Grove	MN	55311	Maple Grove	Hennepin 3	34	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/229156	Construction Stormwater
292 132800 Closure Medical Corp	Y	10900 73rd Ave N Ste 110	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/132800	Hazardous Waste
293 224477 Residence Inn/Springhill Suites	Y	11545 Arbor Lakes Parkway N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/224477	Construction Stormwater
294 224951 Wings Financial	Y	11800 Elm Creek Blvd N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/224951	Construction Stormwater
295 1664 Commercial Asphalt Co - Plant 901	N	11801 77th Ave N	Maple Grove	MN	55369		Hennepin				https://webapp.pca.state.mn.us/wimn/site/1664	Air Quality
296 92720 Banta Generation Facility	Y	7401 Kilmer Ln	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/92720	Air Quality
297 138292 Donegal Lots 1-16 8k 1 & Lots 1-12 8k 2 298 213521 Waters Edge at Central Park	Y	Address Unknown South of Innoval I n N & Descended in N	Maple Grove Maple Grove	MN		Maple Grove	Hennepin 3	34 34	340 340	07010206 Mississippi River - Twin Oties	https://webapp.pca.state.mn.us/wimn/site/138292	Construction Stormwater
299 226091 Wedding Day Diamonds		South or songue on N & Deerwood on N 13568 Fountains Dr	Maple Grove	MN		Maple Grove Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://websop.pca.state.mn.us/wimn/site/211521 https://websop.pca.state.mn.us/wimn/site/225091	Construction Stormwater
200 18431 Andrew Tool and Machinine		8700 Monticello Ln N	Maple Grove	MN	55369-7195	Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://websop.pca.state.mn.us/wimn/site/18431	Multiple Activities
200 18431 Andrew Look and Muching 201 21747 Musclerer Headquarters for		8752 Cottonwood Ln N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties 07010206 Mississippi River - Twin Oties	https://websop.pcastate.mn.us/wimn/site/21747	Hazardous Waste, Minimal quantity generator
302 93151 COTR - SFH - DEA - Magin Grove	- 1	17800 Arbor Lakes Share	Magle Grove	MN	55169	Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/93151	Haranform Waste
101 229016 Schuler Shoes		13400 Elm Creek Blvd.	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/229016	Construction Stormwater
304 16886 Timon Precision Gear Inc	N.	9628 BSth Ave N	Magle Grove	MN		Manie Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/16886	Hazardous Waste
305 39965 MNDOT Maple Grove	Ÿ	10900 77th Ave 5	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Oties	https://websop.pca.state.mn.us/wimn/site/39965	Hazandous Waste
206 4668 Shiely Masonry Products - Maple Grove	N	13500 County Road 109	Maple Grove	MN		Manie Grove	Hennenin 3	14	340	07010206 Mississippi River - Twin Oties	https://websop.pca.state.mn.us/wimn/site/4668	Multiple Activities
307 134970 Stereotaxis	Ÿ	7351 Kirkwood Ln Ste 140	Maple Grove	MN		Maple Grove	Hennepin 3	34	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/134970	Hazardous Waste, Minimal quantity generator
306 17206 Givers Auto Inc	N	8627 Jefferson Hwy	Osseo	MN	55369-4501	Maple Grove	Hennepin 3	34	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/17206	Hazardous Waste
309 131940 Kohl's Store 241	Y	SOSO Wedgewood Ln	Maple Grove	MN	55369	Maple Grove	Hennepin 3	34	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/131940	Hazardous Waste, Minimal quantity generator
310 21479 Star Properties LLC	Y	SSOS Monticello Ln N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/21479	Multiple Activities
311 224995 Xcel Maple Grove - 2018 Yard Paving	Y	\$701 Monticello Lane North	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/224995	Construction Stormwater
312 1397 Transit Team	Y	10751 89th Ave N	Maple Grove	MN		Maple Grove	Hennepin 3	34	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/1397	Multiple Activities
313 92647 G Pearls	Y	9580 85th Ave N	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/92647	Hazardous Waste
314 142259 Donegal 2nd Add, Donegal 1st Add Phase 2	Y	Address Unknown	Maple Grove	MN		Maple Grove	Hennepin 3	24	340	07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/142259	Construction Stormwater
315 247355 illume	Y	10501 Elm Creek Blvd N	Maple Grove	MN		Maple Grove	Hennepin 3	34 34	340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webapp.pca.state.mn.us/wimn/site/247355	Industrial Stormwater
316 125414 Arbor Lakes Dental 317 224130 American Earle Outfitters 65		12000 Elm Creek Blvd N Ste 230 12433 Elm Creek Blvd N	Maple Grove Maple Grove	MN		Maple Grove Maple Grove	Hennepin 3 Hennepin 3	14 14	340 340	07010206 Mississippi River - Twin Cities 07010206 Mississippi River - Twin Cities	https://webspp.pca.state.mn.us/wimn/site/125414 https://webspp.pca.state.mn.us/wimn/site/224130	Hazardous Waste, Very small quantity generator Hazardous Waste, Very small quantity generator
31/ ZJ413U American Lagre Cucritiers 66	,	13433 LITS LITTER WIND N	Maple Grove	MIN	55a69-7091	Mapie Grove	Hennepin 3	24	340	U/U2U/U6 MISSISSIPPI River - Twin Oties	resps://webapp.pca.state.mn.us/wimn/site/224130	riszardous waste, very small quantity generator

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program_code_list HW ST HW	program_name Hazardous Waste Stormwater Hazardous Waste	program_name_list Hazardous Waste Socressater Hazardous Waste	Industrial_classification Offices of Physicians	k_flag latitude longitude coord_collect_method_c N 45.0945818 -03.43199.41 N 45.085179 -03.431984.DP	ode coord_collect_method_name Address Matching House Number Digitized - MPCA online map Address Matching House Number
HW AQ; ST SR	Hazardous Waste Multiple Programs Investigation and Cleanup Hazardous Waste	Air Quality: Stormwater	Construction Sand and Gravel Mining	N 45.10942456 -93.40267414 A1 N 45.0962 -93.4063 DW N 45.09273556 -93.41751706 II	Address Matching House Number Digitized - Web Map Google / Yahoo / Microsoft Digitized-ONG Address Matching House Number
HW ST	Hazardous Waste Stormwater Investigation and Geanup	Investigation and Cleanup Hazardous Waste Stormwater	Offices of Physicians	N 45.0945818 -93.433191 A1 N 45.1077 -93.4239 DP N 45.11439555 -93.4273747 A11	Address Matching House Number Digitized - MPCA online map
ST HW; PP; SR; ST; TL; WW HW	Stormwater	Investigation and Cleanup Stormwater Hazardous Waste; Pollution Prevention; Investigation and Cleanup; Stormwater; Tanks; Water Quality Hazardous Waste	Printed Circuit Assembly (Electronic Assembly) Manufacturing	N 45.11554 -93.414786 DP N 45.115744 -93.421909 DP N 45.116026 -93.4223371 A1	Digitized - MPCA online map Address Matching Unknown Digitized - MPCA online map Digitized - MPCA online map Address Matching House Number
ST TL HW	Stormwater Tanks Hazardous Waste	Teaminate venoe Sorrmanister Tanks Hazardous Wissbe	Pet and Pet Supplies Stores	N 45.111725 93.405882 A1 N 45.10299563 48.40788367 A1 N 45.1005681 93.4496602 A1	Address Matching House Number Address Matching House Number Address Matching House Number
ST HW	Stormwater Hazardous Waste	Nazardous Waste Sorrmanter Hazardous Waste Hazardous Waste Hazardous Hazardous Hone	Surgical and Medical Instrument Manufacturing	N 45.115 -93.4075 DP N 45.0873435 -93.4240781 A1	Digitized - MPCA online map Address Matching House Number
HW ST PP; ST; TL	Hazardous Waste Stormwater Multiple Programs	Stormwater	Offices of Physical, Occupational and Speech Therapists, and Audiologists Ready-Nix Concrete Manufacturing	N 45.0964058 -93.4472224 A1 N 45.104024 -93.437662 DP N 45.0964012 -93.4094784 A1	Address Matching House Number Digitized - MPCA online map Address Matching House Number
ST HW HW	Stormwater Hazardous Waste Hazardous Waste	Fedular Provesting, Cormoder, Tesha Nazardon Wate Nazardon Wate Sarrowster Nazardon Wate Sarrowster Nazardon Wate Sarrowster Hazardon Wate Sarrowster Hazardon Wate Hazardon Wate Hazardon Wate Hazardon Wate Hazardon Wate	Hobby, Toy, and Game Stores	N 45.0911 -93.4134 U1 N 45.1129745 -93.4054561 A1 N 45.1002734 -93.4495613 A1	Unknown Address Matching House Number Address Matching House Number
ST ST	Stormwater	Stormwater Stormwater Hazardous Waste	Offices of Physicians	N 45.1049 -93.4277 (2 N 45.099568 -93.433843 DP	Address Maching House Number Address Maching House Number Digitated-OOI Digitated-OOI Digitated-ONI Digitated-ONI Digitated-ONI Digitated-ONI Digitated-ONI Address Maching House Number
HW ST HW	Stormwater Hazardous Waste Hazardous Waste	Stormwater Hazardous Waste Hazardous Waste	Machine Shops Offices of Physicians	N 45.0904658 -93.4019109.A1	Address Matching House Number Address Matching House Number Address Matching House Number
HW HW HW: TL	Hazardous Waste Hazardous Waste Multiple Programs	Hazardous Waste Hazardous Waste Hazardous Waste Tanks	Offices of Physicians Clothing Stores Solid Wilste Collection; Hazardous Wilste Treatment and Disposal	N 45.0945818 -03.433191 A1 N 45.092698 -03.437437 DP N 45.10295308 -03.40019488 A1	Address Matching House Number Digitized - MPCA online map Address Matchine House Number
HW HW; TL ST; TL HW ST ST	Multiple Programs Hazardous Waste Stromauster	Hazerbox Water Schermuter Sterenuter Sterenuter	Offices of Physicians	N 45.089106 -93.404994 DP N 45.0964058 -93.4472224 A1 N 45.098958 -93.47727 DP	Digitized - MPCA online map Address Matching House Number Digitized - MPCA online man
ST ST	Hazardou Wunte Stormwater Hazardou Wunte Muldigé Programs Muldigé Programs Hazardou Wunte Stormwater Stormwater Stormwater Hazardou Wunte Hazardou Wunte Hazardou Wunte	Stormwater Stormwater	Automobile and Other Motor Vehicle Merchant Wholesalers; Used Car Dealers	N 4.5088424	Address Matching I stouw Number Digitated - MacCh contine map Address Matching I stouw Number Digitated - MacCh contine map Address Matching I stouw Number Giff - Other Giff - Other Giff - Other Address Matching I stouw Number Address Matching I stouw Number Digitated Office Address Matching I stouw Number Digitated Office Digitated Office
SR SR	Hazardous Waste Investigation and Geanup Hazardous Waste	Air Quality; Hazandous Waste; Tariks Hazandous Waste Investigation and Cleanup Hazandous Waste	Office of Dentits	N 45.087731 93.396326 A1 N 45.0892662 98.4126375 11 N 45.09465308 98.44263269 A1	
ST TL HW	Stormwater Tanks Hazardous Waste	Teaminate venoe Sorrmanister Tanks Hazardous Wissbe	United of Detectors	N 45.104992 -93.43429 DP N 45.1162561 -93.418624 A1 N 45.108042 -93.408249 A1	Address Matching House Number Digitized - MPCA online map Address Matching House Number Address Matching House Number
HW TL	Hazardous Waste Tanks	Hazardous Waste Tanks		N 45.0865223 93.4179412 DM N 45.1030227 93.4594967 A1 N 45.104169 93.42278 12	Digitized - MPCA internal map Address Matchine House Number
ST HW SR; TL ST	Hazardous Waste Multiple Programs Stormwater	Socremuter Investigation and Cleanup; Tanks Socremuter		N 45.097301 93.417224 A1 Y 45.1002215 93.4198275 DM N 45.093298 93.41942 DW	Digitized-DOQ Address Matching House Number Digitized - MPCA Internal map Digitized - Web Map Google / Yahoo / Microsoft
HW	Hazardous Waste Hazardous Waste	Hazardous Waste Hazardous Waste		N 45.10903597 -93.40268531 A1 N 45.1116795 -93.4065468 A1	Address Matching House Number Address Matching House Number
HW ST; SW	Hazardous Waste Hazardous Waste Multiple Programs	Hazardous Waste Hazardous Waste Sormwater; Solid Waste Hazardous Waste	Surgical and Medical Instrument Manufacturing	N 45.086086 -93.4184001 A1 N 45.10909022 -93.40277214 A1 N 45.11573115 -93.41637981 A1	Address Matching House Number Address Matching House Number Address Matching House Number
ST ST	Hazardous Waste Stormwater Stormwater	Stormwater Stormwater	Offices of Physicians	N 45.0946451 -93.4330437 A1 N 45.1003798 -93.4415252 A1 N 45.1074 -93.431 GB	Address Matching House Number Address Matching House Number GPS - Other GPS - Other
ST HW; TL ST	Stormwater Multiple Programs Stormwater	Stormwater Hazardou Wisher, Tanks Stormwater Stormwater	Utility System Construction	N 45.0074 - 03.401 GB N 45.0072 - 09.4007 GB N 45.101049 - 09.410943 A1 N 45.008596 - 09.410288 DP N 45.008595 - 09.420288 DP	GPS - Other Address Matching House Number Digitized - MPCA online map GPS - Other Digitized - MPCA internal map
ST	Stormwater Stormwater Air Quality	Stormwater Air Quality	All Other Telecommunications	N 45.03455 93.428244 GB N 45.0977 93.4277 DM N 45.1143549 93.4220121 A1	GPS - Other Digitized - MPCA internal map Address Matching House Number
AQ AQ; HW; PP HW; ST TL	Air Quality Multiple Programs Multiple Programs Tanks Multiple Programs Stremanter	Air Coality, Islandoou Water, Pollution Prevention Hazardoou Water, Scormauler Tacks Air Coality, Islandoou Water Scormauler Tacks Air Coality, Islandoou Water	All Other Telecommunications All Other Plastics Product Manufacturing; Research and Development in the Physical, Engineering, and Life Sciences	N 45.0077 - 92.477 DM 45.11469 - 92.470121 A1 M 45.11469 - 92.470121 A1 N 45.00841802 - 92.47031 A1 N 45.00841802 - 92.47031 A1 N 45.00881 - 92.47031 A1 N 45.108802 - 92.47037 A1 N 45.108802 - 92.47038 A1 N 45.108802 - 92.47038 A1 N 45.108060 - 92.477080 A1 N 45.108060 - 92.477080 A1 N 45.108060 - 92.477080 A1 N 45.008060 - 92.477080 A1	Digitard - MoCA Internal map Advants Machine Jasson Number / Microsoft Digitard - Web high Grape / Yahoto / Microsoft Advants Machine Jasson Number Advants Machine Jasson Number Advants Machine Jasson Number Cligitard - MoCA Internal map Advants Machine Jasson Number Digitard - MoCA Internal map Advants Machine Jasson Number Cligitard - MoCA Internal map Advants Machine Jasson Number Advants Machine Jasson Number Advants Machine Jasson Number Advants Machine Jasson Number
AQ; HW ST HW	Multiple Programs Stormwater Hazardous Waste	Air Cpuelty, Hazardous Waste Soormaater Hazardous Waste	Asphalt Paving Misture and Block Manufacturing Hazardous Waste Collection	N 45.1018 -93.4057 A1 N 45.1091018 -93.428709 DM N 45.10180852 -93.40200928 A1	Address Matching House Number Digitized - MPCA Internal map Address Matching House Number
SR HW HW	Stormwater Hazardous Waste Investigation and Geanup Hazardous Waste Hazardous Waste	Stormuster Vasandosu Wate Investigation and Cleanup Hazandosu Wate Hazandosu Wate Hazandosu Wate	Other Justice, Public Order, and Safety Activities Offices of Physicians	N 45.104518 -93.4359546 DM N 45.1163238 -93.4257888 A1 N 45.09376766 -93.42736833 A1	Digitized - MPCA Internal map Address Matching House Number Address Matchine House Number
ST HW HW; ST	Stormwater Hazardous Waste Multiple Programs Stormwater	Nazardous Waste Hazardous Waste Hazardous Waste Stormwater	Agricultural Production Crops	N 45.1101904 -93.4032643 DM	Digitized - MPCA online map Digitized - MPCA internal map Digitized - MPCA online map
HW; ST ST AQ; HW; TL HW	Multiple Programs Hazardous Waste	Soormwater Air Quality, Mazandous Waster, Tanks Hazandous Worte,	Agriculture of Colonia Chips Automotive Book, Paint, and Interior Repair and Maintenance Offices of Physicians (second Mental Health Specialats)	N 45.09535 -03.428259 DP N 45.11585002 -03.41935085 DM N 45.0967915 -03.4478071 A1	Digitized - MPCA online map Digitized - MPCA internal map Address Matchine House Norther
ST ST ST	Hazardous Waste Stormwater Stormwater Stormwater	Hazardous Waste Soormwater Soormwater Soormwater	Packaging Machinery Manufacturing	N 45.0967915 43.4978073 A1 N 45.1037787 43.494273 DP N 45.1037787 43.444273 A1 N 45.098941 49.442890 DP	Address Matching House Number Digitated - MoCA childre map Address Matching House Number Digitated - MoCA childre map Address Matching House Number Digitated - MoCA childre map Address Matching House Number Digitated - MoCA childre map
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SR HW HW ST	Investigation and Geanup Hazardous Waste Hazardous Waste Stormwater	Hazardous Waste Hazardous Waste	Optical Goods Stores	N 45.092224 -93.434997 DP N 45.1089341 -93.4039005 A1	Digitized - MPCA online map
AQ; HW		Siscressater Ar Quality, Hacardous Wiste Siscressater	Electric Bulk Power Transmission and Control	N 45.1016 -93.4499 GB N 45.1114 -93.4994 DW N 45.1093 -93.24 DW N 45.1139789 -93.4053858 A1	Ground - Web Map Google / Yahoo / Microsoft Digitized - Web Map Google / Yahoo / Microsoft
HW HW; TL HW	Multiple Programs Stormwater Hazardous Waste Hazardous Waste Multiple Programs Hazardous Waste Hazardous Waste Hazardous Waste	AC Castler, Visua ribos West Hazerfook West	Regulation and Administration of Communications, Sarioty, Cala, and Other Utilities Machine Tool Manchanger, German Administrative Repair Gallon's Salation, with Commences Stores Spring Goods Stores Office of Physicians. Supermirlens and Other Goozey (second Commences Stores Supermirlens and Other Goozey (second Commences Stores	N 45.1088519 -93.4032923 A1 N 45.0873627 -93.4319711 A1	Anderson Anderson German Franchischer (2014) Anderson And
HW HW ST	Hazardous Waste Hazardous Waste Hazardous Waste	Hazardous Weste Hazardous Waste Hazardous Waste	Sporting Goods Stores Offices of Physicians Supermirates and Other Goocey (except Convenience) Stores	N 45.0945968 -93.43318402 A1	Digitized - MPCA Internal map Address Matching House Number Digitized - MPCA Internal map
TL.	Tanks	Stammard vo. St	Offices of Physicians (except Mental Health Specialists)	N 45.094009 -91.405/131 A1	Digitized - MPCA online map Address Matching House Number Address Matching House Number
HW ST HW AO-HW-59-ST-TI-WI	Hazardous Waste Hazardous Waste Hazardous Waste Mazardous Waste Hazardous Waste Hazardous Waste Investigation and Cleanup Hazardous Waste Investigation and Cleanup Hazardous Waste Hazardous Waste Hazardous Waste Hazardous Waste Hazardous Waste	Stormuster Hazardon Wate Air Danie Hazardon Wate Danie Hazardon Wate Challes	Office Supplies and Stationery Stores Asphalt Paving Malaine and Block Menufacturing	\$\ \begin{align*} 4 \\ \text{4.506/9318} \\ \text{4.506/9318} \\ \text{4.506/9318} \\ \text{4.506/9318} \\ \text{4.506/9318} \\ \text{4.506/938} \\ \text{4.506/938} \\ \text{4.506/938} \\ \text{4.506/938} \\ \text{4.606/938} \	GPS - Other Address Matching House Number Address Matching House Number
HW	Hazardous Waste Hazardous Waste	Hazardous Waste Hazardous Waste	Department Stores Offices of Physicians (except Mental Health Specialists)	N 45.0916535 93.4257713 A1 N 45.08893359 93.4356543 A1	Address Matching House Number Address Matching House Number
SR HW SR HW HW	Hazardous Waste Investigation and Cleanup	Hazardous Water Investigation and Cleanup	Offices of Physicians (except Mental Health Specialists) Offices of Dentists	N 45.0885937 -93.43396935 A1 N 45.0885932 -93.44510252 DM	Address Matching House Number Digitized - MPCA Internal map
HW HW	Hazardous Waste Hazardous Waste Hazardous Waste	Hazardous Waste Hazardous Waste	Offices of Destablis Surgical Appliance and Supplies Manufacturing Offices of Destablis	N 45.09471817 -93.41022229 A1 N 45.1113755 -93.4234743 A1	Address Matching House Number Address Matching House Number Address Matching House Number
HW: ST: TL: WW	Investigation and Geanup Hazardous Waste Multiple Programs Hazardous Waste	Hazardous Waste Hazardous Waste: Stormwater: Tanks: Water Quality	Machine Tool Manufacturing Machine Shops Supermarkets and Other Grocery (except Convenience) Stones	N 45.117416 -99.421938 A1	Address Matching House Number Address Matching House Number Address Matching House Number
HW HW	Hazardous Waste Hazardous Waste	Hazardous Waste Hazardous Waste Hazardous Waste	Shoe Stores	N 45.10125884 -93.44981047 A1 N 45.1089195 -93.406027 A1	Address Matching House Number Address Matching House Number
HW HW; ST	Hazardous Waste Hazardous Waste Multiple Programs	Hazardous Waste Hazardous Waste Sonntwater Hazardous Waste Sonntwater	Journity Stores Women's Clothing Stores Machine Shops	N 45.1173692 -93.4219387 A1 N 45.092832 -93.437532 DP N 45.10963097 -93.40796887 A1	Address Matching House Number Digitized - MPCA online map Address Matching House Number
HW ST	Hazardous Waste Hazardous Waste Stormwater	Hazardous Waste Hazardous Waste Socremanter	Heavy Construction Other Than Building Construction Contractors	N 45.09285181 -93.43887489 A1 N 45.1143063 -93.4220489 A1 N 45.0929155 -93.4305868 A1	Address Matching House Number Address Matching House Number Address Matching House Number
58 57	Investigation and Cleanup Stormwater Stormwater	Investigation and Cleanup Secrementer Secrementer		Y 45.1158253 -93.41922942 DM N 45.093901 -93.414043 DP N 45.10739004 -93.41779591 A1	Digitized - MPCA Internal map Digitized - MPCA online map Address Matching House Number
HW HW	Stormwater Hazardous Waste Hazardous Waste	Soormaater Hazardous Washe Hazardous Washe	General Automother Repair One-Note Thought State of the S	N 45.091424 -93.422239 A1 N 45.1031728 -93.4400922 A1 N 45.095108 -93.4402386 A1 N 45.0964152 -93.4427908 A1	Address Matching House Number Address Matching House Number Address Matching House Number
HW ST SR	Hazardous Waste Stormwater Investigation and Geanup	Hazardous Waste Stormuster	Offices of Physicians (except Mental Health Specialists)	N 45.0984152 -93.4427908 A1 N 45.00509 -93.428743 DP Y 45.10995735 -93.40344153 DM	Address Matching House Number Digitized - MPCA online map Digitized - MPCA internal map
HW	Hazardous Waste Hazardous Waste	Investigation and Cleanup Hazardou Washe Hazardou Washe Hazardou Washe	Department Stores Machine Shops	N 45.0947302 -93.4429139 A1	Address Matching House Number Address Matching House Number
HW; TL SR	Hazardous Waste Multiple Programs Investigation and Geanup	Hazardous Waste Hazardous Waste, Tanks Investigation and Cleanup	Pharmacles and Drug Stores	N 45.1088716 -93.4062361 A1 N 45.09547211 -93.4442651 A1 N 45.104888 -93.434559 DP	Address Matching House Number Address Matching House Number Digitized - MPCA online map
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	Hazardous Waste Stormwater Stormwater Hazardous Waste	Hazardous Waste Siornwaster Siornwaster Hazardous Waste	Offices of Denthits Freight Transportation Arrangement.	N 45.0964058 -93.4672224 A1 N 45.097366 -93.405319 DP N 45.114742 -93.439333 DP N 45.1093658 -93.4273101 A1	Address Matching House Number Digitized - MPCA online map Digitized - MPCA online map
HW SR HW	Investigation and Geanup Hazardous Waste	Investigation and Cleanup Hazardous Waste	Freight Transportation Arrangement Fitness and Recreational Sports Cerbers	N 45.1035/83 -93.4121303 A1 N 45.1035/831 -93.41809803 I1 N 45.1035033 -93.4407779 DM N 45.09413022 -93.44150897 A1	Digitized - MPCA internal map
HW; SW ST AQ; HW	Multiple Programs Stormwater Multiple Programs	Naziroduk Water; Said Water Stormwater Air Quality; Nazardous Water	Veterinary Services Construction Sand and Gravel Mining	N 45.099888 -93.429853 DP N 45.1161793 -93.4179758 A1	Address Matching Hossen Number Digitized - MPCA online map Address Matching House Number Digitized - Web Map Google / Yahoo / Microsoft Address Matching House Number
AQ; HW ST HW HW	Stormwater Hazardous Waste Hazardous Waste	Stormwater Hazardous Winte Hazardous Wante	Industrial Machinery and Equipment Merchant Wholesalers.	N 45.0960643 -93.3996348 DW N 45.08433454 -93.39884983 A1 N 45.1088977 -93.4047208 A1	Address Matching House Number
HW	Hazardous Waste Hazardous Waste Hazardous Waste	Hazardous Waste Hazardous Waste Hazardous Waste	Offices of Dentists Jewelry Stores	N 45.1182035 -93.4221266 A1 N 45.0870687 -93.428783 A1 N 45.0938551 -93.4323044 DM	Address Matching House Number Address Matching House Number Digitized - MPCA Internal map
HW; ST HW HW; SR; ST; TL	Multiple Programs Hazardous Waste Multiple Programs	Hazardous Waste; Stormwaster Hazardous Waste Hazardous Waste Investigation and Cleanus: Stormwaster: Tanks	Home Centers Offices of Dentitots Newspaper Publishers	N 45.10989 -03.411589 DP N 45.0945818 -03.431391 A1 N 45.11478178 -03.42221098 A1	Digitized - MPCA online map Address Matching House Number Address Matchine House Number
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HW; ST; TL TL	Multiple Programs Tanks Tanks	Hazardous Waste; Stormwater; Tanks	Automotive varts and Azerstones bottles Couriers and Express Delivery Services	N 45.092655 -93.405417 DP	Digitized - MPCA online map Address Matching House Number
FW ST	Hazardous Waste Stormwater	Hazardous Washe Sacremater Hazardous Washe	Offices of Dentists Medical Dentist and bisself of Engineers and Francis Manhamatines	N 45.004022 -03.404224 A1 N 45.004022 -03.4042224 A1 N 45.104312 -03.434633 G8	Address Matching House Number GPS - Other
HW	Hazardous Waste Hazardous Waste Hazardous Waste	Hazardoun Waste Hazardoun Waste	Medical, Dental, and Hospital Equipment and Supplies Menchant Wholesalers General Freight Trucking, Local Other Scientific of Envirold Consulting Services Pariet and Wild pagest Stores	N 45.115366 -93.4220465 A1 N 45.015366 -93.4220465 A1 N 45.0094106 -93.4353222 A1	Address Matching House Number Address Matching House Number
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HW HW	Hazardous Waste Hazardous Waste Hazardous Waste Hazardous Waste	Hazardous Waste Hazardous Waste Hazardous Waste Hazardous Waste	Women's Cathing Stores Rubber and Misculaneous Plastics Products Department Stores	N 45.09388949 -03.43754772 A1 N 45.1095377 -03.405128 A1 N 45.091574 -03.4250786 A1 N 45.0940008 -08.4361787 A1	Address Matching House Number Address Matching House Number Address Matching House Number Address Matching House Number
HW SR ST HW; TL	Investigation and Geanup Stormwater	Investigation and Cleanup Stormwater	All Other Home Furnishings Stones	N 45.09400088 -98.43617872 A1 Y 45.1051994 -98.4219965 DM N 45.092 -98.421 U1 N 45.1041314 -98.446728 A1	Digitized - MPCA internal map
HW; ST; SW	Multiple Programs Hazardous Waste Multiple Programs	Hazardous Winter, Tanks Hazardous Winter, Sconnwater; Solid Waste Hazardous Winter, Sconnwater; Solid Waste	Fitness and Recreational Sports Centers Other Measuring and Controlling Device Manufacturing	N 45.09801533 -93.44180021 A1 N 45.11020856 -93.42087222 I1	Address Matching House Number Address Matching House Number Digitized-ORG
ST ST HW	Stormwater Stormwater Hazardous Waste	Secrementer Secrementer Hazardous Washe	Beauty Salors	N 45.105394 -93.425347 12 N 45.105427 -93.439419 DP N 45.0995504 -93.4493383 A1	Digitized-DOQ Digitized - MPCA online map Address Matching House Number
HW; ST ST	Hazardous Waste Multiple Programs Stormwater	Hazardous Waste; Sorrmauter Sorrmauter	Offices of Dentals. All Other Plastics Product Manufacturing	N 45.0947098 -93.4415946 A1 N 45.091967 -93.421736 DP N 45.088615 -93.435432 DW	Address Matching House Number Digitized - MPCA online map Digitized - Web Map Google / Yahoo / Microsoft Digitized - MPCA online map
ST HW; SR; ST SR; TL	Stormwater Multiple Programs Multiple Programs	Stormwater Hazardous Waste: Investigation and Cleanus: Stormwater	Highway, Street, and Bridge Construction	N 45.099782 93.42752 DP N 45.11568046 93.41426309 DM	Digitized - MPCA internal map Digitized - MPCA internal map
HW SR HW; ST; SW	Hazardous Waste Investigation and Geanup Multiple Programs	Investigation and Cleanup; Tanks Hazardous Waste Investigation and Cleanup Hazardous Waste Stormwaster; Solid Waste	Cicthing Accessories Stores Recyclable Material Merchant Wholesalers; Solid Waste Collection	N 45.1066437 -93.4342463 DM N 45.09400017 -93.4366236 A1 N 45.093493 -93.416923 DM N 45.093493 -93.40036 DP	Address Matching House Number Digitized - MPCA Internal map Digitized - MPCA online map
AQ; HW; PP		Hazardous Waste; Stormwater; Sdid Waste Air Quality; Hazardous Waste; Polikition Prevention Hazardous Waste; Tarks Stormwater	Registèle Manied Marchau Wholssalen, Sold Waste Collection Commercial Princip (assopt Screen and Books) Wavehouse Clubs and Supercenties	N 45.0819 -01.005 DW N 45.09168841 -01.42399216 A1 N 45.087848 -01.424845 DP	
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HW HW			Women's Cathing Stores Family Cathing Stores The Ballers	N 45.09570871 -03.43953016 A1 N 45.116373 -03.4221315 A1 N 45.117346 -03.4218891 A1	Address Matching House Number Address Matching House Number Address Matching House Number
HW ST HW	Stormwater Hazardous Waste Hazardous Waste	Sorrmuster Hazardous Waste Hazardous Waste	in Dussers Ciffices of Physicians Surgical Appliance and Supplies Manufacturing	N 45.0945818 -93.433191.A1 N 45.09943862 -93.43533.A1	Address Matching House Number
HW SR ST HW: SR	Investigation and Cleanup	Hazardous Waste Investigation and Granup Stormwater Hazardous Waste Investigation and Granup	Surgical Appliance and Supplies Manufacturing Direcleaning and Laundry Services (except Coly-Operated)	N 45.00941862 43.43531 A1 N 45.11011232 43.41409965 I1 N 45.10489 49.437782 DP Y 45.1042323 43.4689919 DM	Address Matching House Number Digitized-ONG Digitized - MPCA online map Digitized - MPCA internal map
HW; SR; ST; TL HW	Multiple Programs Multiple Programs Hazardous Waste Hazardous Waste	Hazardous Waste; Investigation and Cleanup; Stormwater; Tanks Hazardous Waste	Couriers and Express Delivery Services; Direct Mail Advertising Offices of Deathts	N 45.112886 -93.419842 DM N 45.0945818 -93.413191 A1	Digitized - MPCA Internal map Address Matching House Number
HW HW HW	Hazardous Waste Hazardous Waste Multiple Programs	Hazardous Waste Hazardous Waste Hazardous Waste; Waster Quality	Sporting Goods Stores Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	N 45.0921092 -93.4267433 A1 N 45.10937283 -93.40276403 A1 N 45.0873777 -93.424566 A1	Address Matching House Number Address Matching House Number Address Matching House Number
5R 5T 5T	Investigation and Cleanup Stormwater Stormwater	Investigation and Cleanup Secrementer Secrementer	Recyclable Material Merchant Wholesalers	N 45.11181896 -93.4211951 I1 N 45.1053 -93.4392 U1 N 45.113523 -93.415161 GB	Digitized-ORG Unknown GPS- Other
HW; SR; TL HW HW; ST		Haranfron Wester Investigation and Cleanury Tanks	Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers All Other General Merchandise Stores Surpical and Medical Instrument Menufacturing; Offices of Physicians	N 45.10401298 -93.4034823 DM	
HW	Musepe Programs Hazardous Waste Multiple Programs Hazardous Waste Hazardous Waste Hazardous Waste Multiple Programs Multiple Programs Stormwater	Hazardous Waste Normaster Hazardous Waste Normaster Hazardous Waste Hazardous Waste Hazardous Waste Hazardous Waste	Hardware Stores	N 45.05544 94.405300 AL N 45.05544 94.00555 DP N 45.1096087 98.4027633 AL N 45.1096145 98.407685 AL N 45.1056231 98.4026861 AL N 45.1184 98.4055609 AL	Digitard - MPCA Internal map Address Marching Hossum Number Digitard - MPCA online map Address Marching Hossum Number Clistiated - MCCA Internal map
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ST AQ; SR; ST; TL HW; TL	Stormwater Multiple Programs Multiple Programs	Stormwater Air Quality, Investigation and Geanup; Stormwater; Tanks Hazardous Wate; Tanks	Construction Sand and Gravel Mining Home Centers	N 45.1057 -93.4232 DM N 45.1045518 -93.4238009 A1 N 45.0916844 -93.4224674 A1	Digitized - MPCA internal map Address Matching House Number Address Matching House Number
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ST ST	Hazardous Waste Stormwater	Hazardous Washe Sacressater Sacressater		N 45.1180292 93.4121271 A1 N 45.10849 93.41349 DP	Address Matching House Number Digitized - MPCA online map
ST HW HW; SR; TL ST	December	Sizermeater Hazardoun Weste; Investigation and Cleanup; Tanks Stormmatter	Surgical and Medical Instrument Manufacturing	N 45.00497 - 93.41119 DP N 45.0060526 - 93.4184157 A1 N 45.10889594 - 93.40277772 A1 N 45.00571 - 93.422439 GB	Digitized - MPCA online map Address Matching House Number Address Matching House Number GPS - Other
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31	Stormwater	and contract (m 45.329815 -93.422197 DP	ugszed - NercA online map

HW	Hazardous Waste	Hazardous Waste	Other Commercial and Service Industry Machinery Manufacturing	N	45 10860678	-93.40268828 DP	Dietized - MPCA online map
HW; ST; WW	Multiple Programs	Hazardous Waste; Stormwater, Water Quality	Sawmill and Woodworking Machinery Manufacturing; Machine Tool Manufacturing	N	45.11586386	-93.42376034 A1	Address Matching House Number
HW	Hazardous Waste	Hazardous Waste	Offices of Physicians	N		-93.43318402 A1	Address Matching House Number
ST; TL	Multiple Programs	Stormwater; Tanks	Construction Sand and Gravel Mining	N		-93.41960598 Q2	Public Land Survey-Two Quarter
HW	Hazardous Waste	Hazardous Waste	Offices of Dentists	N	45.0886567		Address Matching House Number
HW	Hazardous Waste Stormwater	Hazardous Waste Stormwater	Offices of Dentists	N	45.0889218 45.095856		Address Matching House Number Distinct - MPCA online map
21	Investigation and Geanup	Investigation and Cleanup		N N	45.10959834		Distract ORG
SW NOW	Hazardous Waste	Hazardous Waste	Industrial Mold Manufacturine	N N	45.1118725		Address Matchine House Number
HW	Hazardous Waste	Hazardous Waste	Veterinary Services	N N	45.0917871		Address Matching House Number
HW	Hazardous Waste	Hazardoun Waste	Offices of Dentists	N N	45.0958746		Address Matchine House Number
HW	Hazardous Waste	Hazardoun Waste	Other Personal Care Services	N	45.0870687		Address Matchine House Number
HW	Hazardous Waste	Hazardous Waste	Pet and Pet Supplies Stores	N	45.1020324	-93.4499816 A1	Address Matching House Number
51	Stormwater	Stormwater		N	45.088181		GPS- Other
AQ	Air Quality	Air Quality		N	45.1044853		Address Matching House Number
HW; ST	Multiple Programs	Hazardous Waste; Stormwater	Lessons of Nonresidential Buildings (except Miniwarehouses)	N		-93.39884983 A1	Address Matching House Number
ST	Stormwater	Stormwater		N	45.1023		Digitized - Web Map Google / Yahoo / Microsoft
ST	Stormwater Stormwater	Stormwater Stormwater		N	45.100992 45.1092		Digitized - MPCA online map Intercolation Other
HW: SR: ST: TL	Multiple Programs	Hazardous Waste: Investigation and Cleanus: Stormwater: Tanks		N N	45.1086083		Deliced - MPCA internal map
HW, an, ar, ru	Hazardous Waste	Hazardous Waste	Offices of Dentists		45.0945818		Address Matching House Number
57	Stormwater	Stormwater	Citizes of Demans	N N	45,1025		GPS- Other
58	Investigation and Cleanup	Investigation and Cleanup		N	45.10962		Dietized - MPCA internal map
HW	Hazardous Waste	Hazardous Waste	Cosmetics, Beauty Supplies, and Perfume Stores	N	45.09399124	-93.43773451 A1	Address Matching House Number
HW	Hazardous Waste	Hazardous Waste	Offices of Physicians	N	45.1089057		Address Matching House Number
HW	Hazardous Waste	Hazardous Waste	Hardware Merchant Wholesalers	N	45.1091104		Address Matching House Number
HW	Hazardous Waste	Hazardous Waste	All Other Home Furnishings Stores	N	45.1001963		Address Matching House Number
HW	Hazardous Waste	Hazardous Waste		N	45.08433454		Address Matching House Number
HW	Hazardous Waste Stormwater	Hazardous Waste Stormwater	Offices of Dentists	N	45.09872298	-93.46148625 A1 -93.429708 GB	Address Matching House Number GPS - Other
21	Hazardous Waste	Hazardous Waste	Home Furnishings Stores	N .	45.0983862		GPS- Other
HW: ST	Multiple Programs	Hazardous Waste: Stormwater	Number Care Facilities (Skilled Number Facilities)	N N	45.098.0052		GPS- Other
57	Stormwater	Stormwater	reased care recover (senso record recover)	N N	45.1118		GPS- Other
HW	Hazardous Waste	Hazardous Waste	Offices of Physicians (except Mental Health Specialists)	N	45.08706087		Address Matching House Number
ST	Stormwater	Stormwater		N	45.0874	-93.42841 DP	Digitized - MPCA online map
HW	Hazardous Waste	Hazardous Waste	Industrial Design Services	N	45.0860526		Address Matching House Number
51	Stormwater	Stormwater		N	45.095393		Digitized - Web Map Google / Yahoo / Microsoft
21	Stormwater	Stormwater		N	45.095435		Digitized - MPCA online map
AQ.	Air Quality	Air Quality	Asphalt Paving Misture and Block Manufacturing	N	45.09447389		Address Matching House Number
AQ.	Air Quality Stormwater	Air Quality Stormwater	Electric Bulk Power Transmission and Control	N	45.0886 45.1084		Digitized - Web Map Google / Yahoo / Microsoft Digitized - MPCA online map
21	Stormwater	Stormwater		N N	45,103455		CPS - Survey Quality
HW	Hazardous Waste	Hazardoun Waste	Jewelry Stores	N		-93.42679928 A1	Address Matchine House Number
HW; ST	Multiple Programs	Hazardous Waste; Stormwater	Machine Tool Manufacturing	N	45.11234584	-93.40492892 A1	Address Matching House Number
HW	Hazardous Waste	Hazardous Waste		N	45.1137793	-93.4269703 A1	Address Matching House Number
HW	Hazardous Waste	Hazardous Waste		N	45.0984012		Address Matching House Number
51	Stormwater	Stormwater		N	45.094788		Digitized - MPCA online map
HW	Hazardous Waste	Hazardous Waste		N	45.108916		Address Matching House Number
HW	Hazardous Waste	Hazardous Waste	Regulation and Administration of Transportation Programs	N	45.0946551		Address Matching House Number
AQ; ST; WW	Multiple Programs Hazardous Waste	Air Quality; Stormwater; Water Quality Hazardous Waste	Construction Sand and Gravel Mining; Concrete Block and Brick Manufacturing Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	N	45.1044853		Address Matching House Number Address Matching House Number
HW	Hazardous Waste	Hazardous Waste	Used Car Dealers		45.10901831		Address Matching House Number
HW	Hazardous Waste	Hazardous Waste	Department Stores	N N	45.1014146		Dietized - MPCA internal map
HW: ST: WW	Multiple Programs	Hazardous Waster Stormwater: Water Quality	Bare Printed Circuit Board Manufacturing: Lessons of Nonresidential Buildings (except Miniwarehouses)	N N	45.1145297		Address Matching House Number
51	Stormwater	Stormwater		N	45.113465		Digitized - MPCA online map
AQ; HW; SR; ST; TL	Multiple Programs	Air Quality; Hazardous Waste; Investigation and Cleanup; Stormwater; Tanks	All Other Plastics Product Manufacturing ; General Automotive Repair	N		-93.41793505 DM	Digitized - MPCA internal map
HW	Hazardous Waste	Hazardous Waste		N	45.1089146		Address Matching House Number
51	Stormwater	Stormwater		N	45.1086		GPS- Other
21	Stormwater	Stormwater		N	45.093867		Digitized - MPCA online map
HW	Hazardous Waste	Hazardous Waste	Offices of Dentists	N	45.0945818		Address Matching House Number
rrw	Hazardous Waste	Hazardous Waste	Other Clothing Stores	N	45.09399552	-93.43797614 A1	Address Matching House Number



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DEPARTMENT OF THE ARMY

U.S. ARMY CORPS OF ENGINEERS, ST. PAUL DISTRICT 332 MINNESOTA STREET, SUITE E1500 ST. PAUL, MN 55101-1323

02/23/2023

Regulatory File No. MVP-2017-03768-PRH

THIS IS NOT A PERMIT

Beth Elliott Stantec Consulting Services 2335 Highway 36 West St. Paul, MN 55113

To: Beth Elliott:

We have received your submittal described below. You may contact the Project Manager with questions regarding the evaluation process. The Project Manager may request additional information necessary to evaluate your submittal.

File Number: MVP-2017-03768-PRH

Applicant: Dick Edwards

Project Name: Maple Grove, City of / Maple Grove Gravel Mining Area AUAR

Project Location: Section 19 of Township 119 N, Range 21 W, Hennepin County,

Minnesota (Latitude: 45.100149558455; Longitude: -93.4222974726935)

Received Date: 10/27/2017

Project Manager: Samantha Coungeris

(651) 290-5268

Samantha.S.Coungeris@usace.army.mil

Additional information about the St. Paul District Regulatory Program can be found on our web site at http://www.mvp.usace.army.mil/missions/regulatory.

Please note that initiating work in waters of the United States prior to receiving Department of the Army authorization could constitute a violation of Federal law. If you have any questions, please contact the Project Manager.

Thank you.

U.S. Army Corps of Engineers St. Paul District Regulatory Branch



DEPARTMENT OF THE ARMY

U.S. ARMY CORPS OF ENGINEERS, ST. PAUL DISTRICT 332 MINNESOTA STREET, SUITE E1500 ST. PAUL, MN 55101-1678

MARCH 3, 2023

Regulatory File No. MVP-2017-03768-SSC

City of Maple Grove c/o Peter Vickerman 12800 Arbor Lakes Parkway, P.O. Box 1180 Maple Grove, Minnesota 55311

Dear Mr. Vickerman:

We have received the document entitled "2023 Update of the Maple Grove Gravel Mining Area Alternative Urban Areawide Review (AUAR)" dated February 14, 2023. The U.S. Army Corps of Engineers (Corps) has not received a request for a jurisdictional determination, preapplication meeting, or Department of the Army (DA) permit associated with the submitted document. In lieu of a specific response, please consider the following general information concerning our regulatory program that may apply to the proposed project.

If the proposal involves activity in navigable waters of the United States, it may be subject to the Corps of Engineers' jurisdiction under Section 10 of the Rivers and Harbors Act of 1899 (Section 10). Section 10 prohibits the construction, excavation, or deposition of materials in, over, or under navigable waters of the United States, or any work that would affect the course, location, condition, or capacity of those waters, unless the work has been authorized by a Department of the Army permit.

If the proposal involves discharge of dredged or fill material into waters of the United States, it may be subject to the Corps of Engineers' jurisdiction under Section 404 of the Clean Water Act (CWA Section 404). Waters of the United States include navigable waters, their tributaries, and adjacent wetlands (33 CFR § 328.3). CWA Section 301(a) prohibits discharges of dredged or fill material into waters of the United States, unless the work has been authorized by a Department of the Army permit under Section 404. Information about the Corps permitting process can be obtained online at http://www.mvp.usace.army.mil/regulatory.

The Corps evaluation of a Section 10 and/or a Section 404 permit application involves multiple analyses, including (1) evaluating the proposal's impacts in accordance with the National Environmental Policy Act (NEPA) (33 CFR part 325), (2) determining whether the proposal is contrary to the public interest (33 CFR § 320.4), and (3) in the case of a Section 404 permit, determining whether the proposal complies with the Section 404(b)(1) Guidelines (Guidelines) (40 CFR part 230).

If the proposal requires a Section 404 permit application, the Guidelines specifically require that "no discharge of dredged or fill material shall be permitted if there is a practicable alternative to the proposed discharge which would have less adverse impact on the aquatic ecosystem, so long as the alternative does not have other significant adverse environmental consequences" (40 CFR § 230.10(a)). Time and money spent on the proposal prior to applying for a Section 404 permit cannot be factored into the Corps' decision whether there is a less damaging practicable alternative to the proposal.

Regulatory Branch (File No. MVP-2017-03768-SSC)

If an application for a Corps permit has not yet been submitted, the project proposer may request a pre-application consultation meeting with the Corps to obtain information regarding the data, studies or other information that will be necessary for the permit evaluation process. A pre-application consultation meeting is strongly recommended if the proposal has substantial impacts to waters of the United States, or if it is a large or controversial project.

If you have any questions, please contact me in our St. Paul office at (651) 290-5268 or Samantha.S.Coungeris@usace.army.mil. In any correspondence or inquiries, please refer to the Regulatory file number shown above.

Sincerely,

Samantha Coungeris

Aamantha Coungerie

Project Manager



March 7, 2023

Peter Vickerman, Planning Manager City of Maple Grove 12800 Arbor Lakes Parkway P.O. Box 1180 Maple Grove, MN 55311

RE: Maple Grove 2023 Update of the Gravel Mining Area Alternative Urban Areawide Review

AUAR)

Metropolitan Council Review File No. 19357-6 Metropolitan Council District 1

Dear Peter:

Metropolitan Council staff completed its review of the 2023 Update of the Maple Grove Gravel Mining Area (GMA) AUAR (AUAR Update) to determine its accuracy and completeness in addressing regional concerns.

The 2023 Update summarizes development activity in the GMA since 2017 and includes the assumptions adopted in the City's 2040 Comprehensive Plan. The 2023 AUAR Update is proposed for all 1,907 acres comprising the development site. The southern boundary lies along interstate-94 (I-94) between State Trunk Highway 169 on the east, and the I-494/I-94 interchange on the west. The City desires to continue to redevelop the AUAR area into a mix of commercial, office, industrial, residential, and public uses. The existing land uses in the AUAR area only changed slightly since the 2017 AUAR Update consisting of approximately 100 acres of housing, industrial, commercial, and office development in the past five years.

Staff concludes that the AUAR Update is complete and accurate with respect to regional concerns and does not raise major issues of consistency with Council policies. The Metropolitan Disposal System has adequate capacity for the level of service identified in the AUAR for this project location. However, staff offers the following comments for your consideration:

Item 9 - Land Use (Todd Graham, 651-602-1322)

Forecasts are not discussed in the AUAR Update. This would be helpful information to provide. Council staff expect the City's consultant estimated employment and households outcomes as an intermediate step in its transportation analysis.

The development scenarios discussed are described as "No Further Build" (Alternative 1) and a maximum development scenario (Alternative 2). An allocation of Maple Grove's forecast to Traffic Analysis Zones (TAZ) is included in the City's 2040 Comprehensive Plan, finalized in 2020. The GMA is approximately Metropolitan Council TAZs #853, 855, 856, 858, 859, 860, and half of TAZ #857. In the City's 2040 Comprehensive Plan, the City has allocated future growth. The seven zones that comprise the GMA are expected, by the City's 2040 Comprehensive Plan, to gain +3,966 jobs and +1,844 households during 2020-2040. This households allocation is a cumulatively reasonable approximation of residential build-out, per AUAR Alternative 2.

If the commercial, office, and industrial land supply described in AUAR Alternative 2, Table 6.1, were added and absorbed into the market by 2040, this would add approximately 7,000 jobs. Council staff advise that this site is unlikely to capture this amount of employment growth. Council staff advise the City to consider a "middle" scenario to include in its AUAR.

Item 11b - Wastewater (Roger Janzig, 651-602-1119)

The AUAR Update appears to significantly over-estimate the wastewater flow projection for the project area. The Council agrees to provide the level of service based on the City's approved population and employment forecasts. The AUAR project area wastewater flow projection of 6.4 MGD is approximately 50% higher than the City's average daily flow of 4.66 MGD in 2021. Although not specifically stated, the Council assumes that the 6.4 MGD is an average daily flow figure. The Council recommends the City reevaluate its 6.4 MGD projection.

Before direct connection to the Metropolitan Council Interceptor, a Sewer Connection Permit will be required. To obtain a Sewer Connection Permit, prior to initiating this project, preliminary plans should be sent to Tim Wedin, Interceptor Engineering Assistant Manager (651-602-4571) at the Metropolitan Council Environmental Services.

Item 18 – Transportation (Bethany Brandt-Sargent, 651-602-1725) Please consider the following transportation comments:

- Highway 169, I-94, and Elm Creek Boulevard are <u>Tier 1 Freight Corridors</u> and new infrastructure should ensure appropriate design for truck freight.
- Coordinate with Hennepin County and MnDOT to ensure access to the surrounding network is appropriate to the roadway's <u>existing functional classification</u>.
- Refer to the Council's <u>congestion mitigation plan</u> to evaluate ways to reduce trip generation from the developments. Continue to monitor traffic and work with MnDOT and Hennepin County to develop appropriate mitigation.
- Consider ways to connect to regional multimodal transportation systems. There are <u>existing</u> <u>regional bikeways</u> that surround the development and connections within the development to these bikeways should be considered.

The Council will not take formal action on the AUAR Update. If you have any questions or need further information, please contact Freya Thamman, Sector Representative/Principal Reviewer, at 651-602-1750.

Sincerely,

Angela R. Torres, AICP, Senior Manager

Local Planning Assistance

Ungelak. Forris

CC: Tod Sherman, Development Reviews Coordinator, MnDOT - Metro Division Judy Johnson, Metropolitan Council District 1
Freya Thamman, Sector Representative/ Principal Reviewer Reviews Coordinator

N:\CommDev\LPA\Communities\Maple Grove\Letters\Maple Grove 2023 GMA AUAR Update 19357-6.doc

From: Peter Vickerman Elliott, Beth To:

Subject: FW: Maple Grove Gravel Mining Area AUAR 2023 Update - DNR Comments

Date: Wednesday, March 8, 2023 7:59:32 AM

Attachments: image003.png

image004.png image005.png image002.png image006.png image007.png image008.png image009.png

FYI

Peter Vickerman

Planning Manager

763-494-6046

pvickerman@maplegrovemn.gov









From: Collins, Melissa (DNR) < Melissa. Collins@state.mn.us>

Sent: Tuesday, March 7, 2023 4:50 PM

To: Peter Vickerman < PVickerman@maplegrovemn.gov>

Subject: Maple Grove Gravel Mining Area AUAR 2023 Update - DNR Comments

Dear Peter Vickman,

Thank you for the opportunity to review the Maple Grove Gravel Mining Area AUAR 2023 Update located in Hennepin County. DNR has reviewed the document and would like to offer the following minor comments:

- 1. Page 25, Rare Features. We concur that impacts to state-listed species are unlikely to occur as a result of this project.
- 2. Page 27, Mitigation Strategies (Rare Features). We encourage new developments to use native plants and seed mixes in project landscaping and stormwater features in order to provide pollinator habitat. Native plants typically do not require the use of soil amendments, and do not need as much irrigation.
- 3. Page 40, Mitigation Strategies (Dust and Odors). This section lists the use of dust

suppressants as a mitigation strategy. Many dust suppressants contain chloride, which does not break down and can pollute surface water and groundwater. Please limit the use products containing chloride for dust suppression within a Wellhead Protection Area as much as possible.

Please let me know if you have any questions.

Thank you,

Melissa Collins

Regional Environmental Assessment Ecologist | Ecological and Water Resources Pronouns: She/her/hers

Minnesota Department of Natural Resources

1200 Warner Road St. Paul, MN 55106

Phone: 651-259-5755

Email: melissa.collins@state.mn.us

mndnr.gov



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